

### Anti-DLST antibody [9F4BD5] ab110306

★★★★☆ [3 Abreviews](#) [2 References](#) [4 图像](#)

#### 概述

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 产品名称  | Anti-DLST抗体[9F4BD5]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 描述    | 小鼠单克隆抗体[9F4BD5] to DLST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 宿主    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 经测试应用 | 适用于: ICC/IF, Flow Cyt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 种属反应性 | 与反应: Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 免疫原   | Full length native protein (purified). This information is considered to be commercially sensitive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 阳性对照  | Human HDFn and HL-60 cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 常规说明  | <p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p> |

#### 性能

|      |                                                                                                                                                                                                                 |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 形式   | Liquid                                                                                                                                                                                                          |
| 存放说明 | Shipped at 4°C. Store at +4°C. Do Not Freeze.                                                                                                                                                                   |
| 存储溶液 | pH: 7.5<br>Preservative: 0.02% Sodium azide<br>Constituent: HEPES buffered saline                                                                                                                               |
| 纯度   | Proprietary Purification                                                                                                                                                                                        |
| 纯化说明 | The purity of ab110306 is near homogeneity as judged by SDS-PAGE (purity >95%). The antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. |
| 克隆   | 单克隆                                                                                                                                                                                                             |

|      |        |
|------|--------|
| 克隆编号 | 9F4BD5 |
| 同种型  | IgG1   |
| 轻链类型 | kappa  |

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab110306于以下的经测试应用

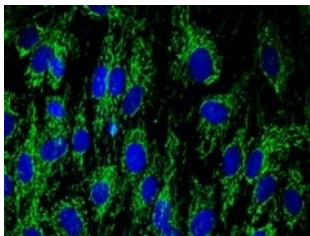
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用       | Ab评论      | 说明                                                                                                                                        |
|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------|
| ICC/IF   | ★★★★★ (1) | Use a concentration of 1 µg/ml.                                                                                                           |
| Flow Cyt | ★★★★★ (1) | Use a concentration of 1 µg/ml.<br><b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |

## 靶标

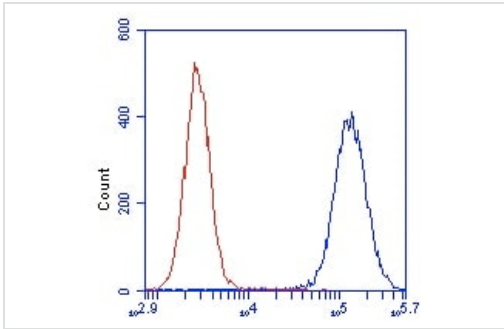
|              |                                                                                                                                                                                                                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>功能</b>    | The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO <sub>2</sub> . It contains multiple copies of 3 enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3). |
| <b>通路</b>    | Amino-acid degradation; L-lysine degradation via saccharopine pathway; glutaryl-CoA from L-lysine: step 6/6.                                                                                                                                                                                            |
| <b>序列相似性</b> | Belongs to the 2-oxoacid dehydrogenase family.<br>Contains 1 lipoyl-binding domain.                                                                                                                                                                                                                     |
| <b>细胞定位</b>  | Mitochondrion.                                                                                                                                                                                                                                                                                          |

## 图片



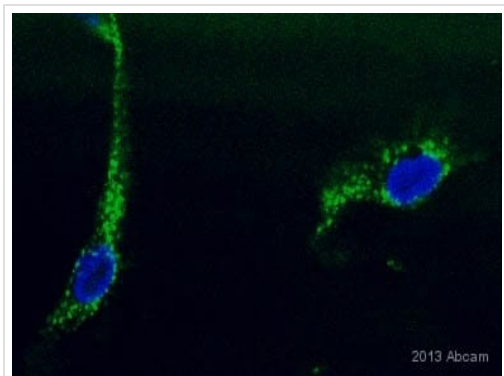
Immunocytochemistry/ Immunofluorescence - Anti-DLST antibody [9F4BD5] (ab110306)

Immunocytochemistry image of ab110306-stained Human HDFn cells. The cells were paraformaldehyde fixed (4%, 20 min) and Triton X-100 permeabilized (0.1%, 15 min). Cells were then incubated with ab110306 at 1 µg/ml for 2 h at room temperature or over night at 4°C. The secondary antibody was (green) Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 h. 10% Goat serum was used as the blocking agent for all blocking steps. DAPI was used to stain the cell nuclei (blue). Target protein locates mainly in mitochondria.



Flow Cytometry - Anti-DLST antibody [9F4BD5] (ab110306)

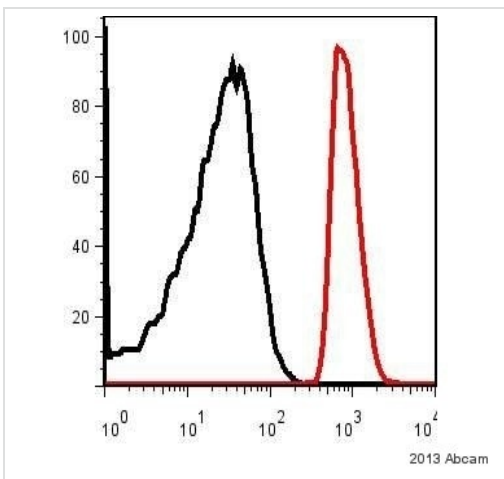
HL-60 cells were stained with 1 µg/mL ab110306 (blue) or an equal amount of an isotype control antibody (red) and analyzed by Flow Cytometry.



Immunocytochemistry/ Immunofluorescence - Anti-DLST antibody [9F4BD5] (ab110306)

This image is courtesy of an anonymous Abreview

ab110306 staining DLST in Human monocyte-derived macrophages by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with Triton X-100 0.1% and blocked with 5% Goat serum for 60 minutes at 21°C. Samples were incubated with primary antibody (1/1000 in PBS + 1% BSA) for 12 hours at 4°C. A Cy2®-conjugated Goat anti-mouse IgG polyclonal was used as the secondary antibody.



Flow Cytometry - Anti-DLST antibody [9F4BD5] (ab110306)

This image is courtesy of an anonymous Abreview

ab110306 staining DLST in Human monocyte-derived macrophages by Flow Cytometry. Cells were prepared by scraoing in PBS and fixation by paraformaldehyde. The sample was incubated with the primary antibody (1/1000 in PBS + 1% BSA) for 60 minutes at 4°C. An Alexa Fluor®488-conjugated Goat anti-mouse IgG polyclonal(1/100) was used as the secondary antibody.

**Gating Strategy:** Dead cells excluded.

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