


Product datasheet

# Anti-Choline kinase alpha antibody ab88053

★★★★★ 3 Abreviews 5 References 5 图像

概述

|              |  |
|--------------|--|
| <b>产品名称</b>  | Anti-Choline kinase alpha抗体  |
| <b>描述</b>    | 兔多克隆抗体to Choline kinase alpha  |
| <b>经测试应用</b> | <b>适用于:</b> WB, ICC/IF   |
| <b>种属反应性</b> | <b>与反应:</b> Mouse, Rat, Human<br><b>预测可用于:</b> Zebrafish    |
| <b>免疫原</b>   | Synthetic peptide conjugated to KLH derived from within residues 400 to the C-terminus of Human Choline kinase alpha.参阅Abcam的 <b>专有抗源政策</b> (Peptide available as <a href="#">ab98290</a> .)   |
| <b>阳性对照</b>  | This antibody gave a positive signal in the following lysates: Human Breast Tissue; Mouse Lung Tissue; Mouse Brain Tissue; Rat Brain Tissue; MCF7 Whole Cell; HepG2 Whole Cell; HeLa Whole Cell; Jurkat Whole Cell; A549, Human Glioblastoma Whole Cell. |

性能

|             |  |
|-------------|--|
| <b>形式</b>   | Liquid   |
| <b>存放说明</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>存储溶液</b> | Preservative: 0.02% Sodium Azide<br>Constituents: 1% BSA, PBS, pH 7.4  |
| <b>纯度</b>   | Immunogen affinity purified  |
| <b>克隆</b>   | 多克隆  |
| <b>同种型</b>  | IgG  |

应用

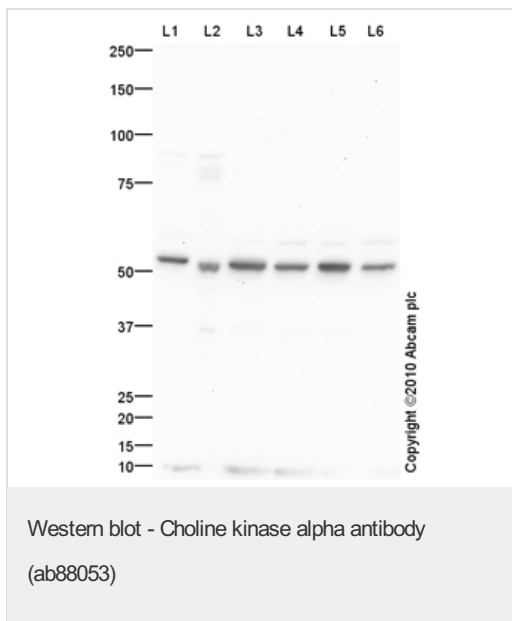
Our [Abpromise guarantee](#) covers the use of **ab88053** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 应用     | Ab评论  | 说明   |
|--------|-------|--|
| WB     | ★★★★★ | Use a concentration of 1 µg/ml. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa). |
| ICC/IF | ★★★★★ | Use a concentration of 5 µg/ml.  |

|      |  |
|------|--|
| 相关性  | The dominant pathway for biosynthesis of phosphatidylcholine occurs through the CDP-choline pathway. Choline kinase alpha (CHK) is the first enzyme in the pathway and may thereby play an upstream regulatory role in lipid transport and metabolism. CHK additionally catalyzes phosphorylation of ethanolamine. |
| 细胞定位 | Cytoplasmic  |

### Anti-Choline kinase alpha antibody 图像



**All lanes** : Anti-Choline kinase alpha antibody (ab88053) at 1 µg/ml

**Lane 1** : MCF7 (Human breast adenocarcinoma cell line) Whole Cell Lysate

**Lane 2** : Human breast tissue lysate - total protein (ab30090)

**Lane 3** : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

**Lane 4** : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 5** : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

**Lane 6** : A549 (Human lung adenocarcinoma epithelial cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution  
Developed using the ECL technique

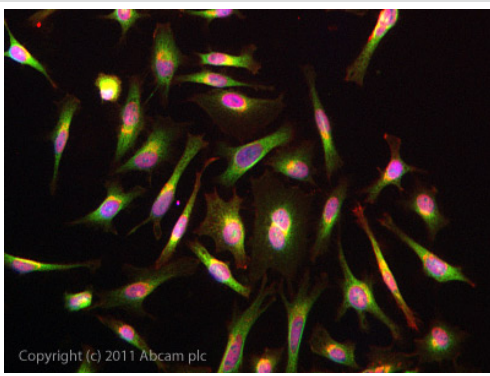
Performed under reducing conditions.

**Predicted band size** : 52 kDa

**Observed band size** : 52 kDa

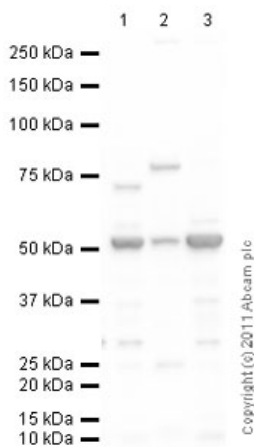
**Additional bands at** : 58 kDa. We are unsure as to the identity of these extra bands.

**Exposure time** : 2 minutes



Immunocytochemistry/ Immunofluorescence - Anti-Choline kinase alpha antibody (ab88053)

ICC/IF image of ab88053 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab88053, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#) Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - Anti-Choline kinase alpha antibody (ab88053)

**All lanes :** Anti-Choline kinase alpha antibody (ab88053) at 1 µg/ml

**Lane 1 :** Brain (Mouse) Tissue Lysate

**Lane 2 :** Mouse lung normal tissue lysate - total protein ([ab29297](#))

**Lane 3 :** Brain (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique

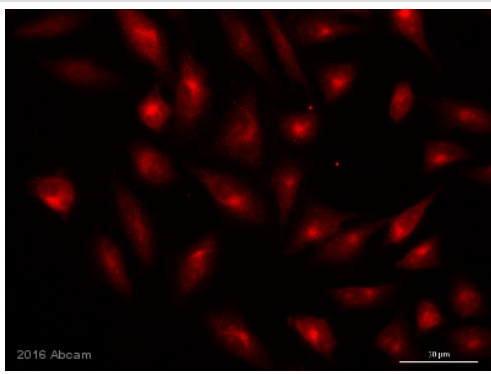
Performed under reducing conditions.

**Predicted band size :** 52 kDa

**Observed band size :** 52 kDa

**Additional bands at :** 72 kDa, 78 kDa. We are unsure as to the identity of these extra bands.

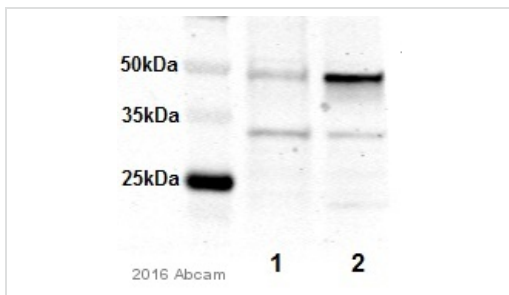
**Exposure time :** 1 minute



Immunocytochemistry/ Immunofluorescence - Anti-Choline kinase alpha antibody (ab88053)

This image is courtesy of an anonymous abreview.

Immunocytochemistry/ Immunofluorescence analysis of human glioblastoma cells labeling Choline kinase alpha with ab88053 at 1/250 dilution. Cells were fixed in paraformaldehyde and permeabilized with TritonX-100. A goat anti-rabbit Alexa Fluor594 was used as the secondary antibody at 1/1000 dilution.



Western blot - Anti-Choline kinase alpha antibody (ab88053)

This image is courtesy of an anonymous Abreview

**All lanes :** Anti-Choline kinase alpha antibody (ab88053) at 1/1000 dilution

**Lane 1 :** Choline kinase alpha knockdown Human Glioblastoma whole cell lysate

**Lane 2 :** Human Glioblastoma (Control) whole cell lysate

Lysates/proteins at 50 μg per lane.

#### **Secondary**

goat-anti-rabbit IRDye800CW at 1/10000 dilution

Performed under reducing conditions.

**Predicted band size :** 52 kDa

**Exposure time :** 1 minute

*This image is courtesy of an anonymous Abreview*

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