

Product datasheet

Anti-Hsp60 antibody [LK-2] (Phycoerythrin) ab82518

2 图像

概述

| | |
|-------|--|
| 产品名称 | Anti-Hsp60抗体[LK-2] (Phycoerythrin) |
| 描述 | 小鼠单克隆抗体[LK-2] to Hsp60 (Phycoerythrin) |
| 宿主 | Mouse |
| 偶联物 | Phycoerythrin. Ex: 488nm, Em: 575nm |
| 特异性 | ab82518 also reacts with plant (spinach, tomato), Borellia, Helicobacter pylori, M. bovis (Hsp65), Salmonella typhimurium, Treponema hyodysenteriae, Treponema innocense, Trichinella spiralis, white fly and Yersinia enterocolitica. |
| 经测试应用 | 适用于: ICC/IF, Flow Cyt |
| 种属反应性 | 与反应: Mouse, Rat, Rabbit, Chicken, Guinea pig, Hamster, Cow, Dog, Human, Pig, Caenorhabditis elegans, Monkey, Escherichia coli, Streptococcus pyogenes |
| 免疫原 | Recombinant human Hsp60 protein |
| 阳性对照 | Flow Cyt: Jurkat cells. ICC/IF: HeLa cells. |

性能

| | |
|------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C. |
| 存储溶液 | Preservative: 0.09% Sodium Azide Constituents: PBS, pH 7.2 |
| 纯度 | Protein G purified |
| 克隆 | 单克隆 |
| 克隆编号 | LK-2 |
| 同种型 | IgG1 |

应用

Our [Abpromise guarantee](#) covers the use of **ab82518** 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 |
|----------|------|--|
| ICC/IF | | Use a concentration of 10 µg/ml. |
| Flow Cyt | | 1/100. ab91357 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |

靶标

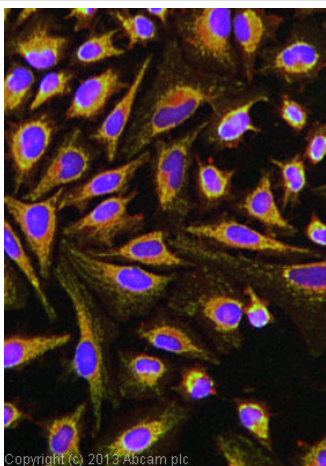
功能 Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix.

疾病相关 Defects in HSPD1 are a cause of spastic paraplegia autosomal dominant type 13 (SPG13) [MIM:605280]. Spastic paraplegia is a degenerative spinal cord disorder characterized by a slow, gradual, progressive weakness and spasticity of the lower limbs. Defects in HSPD1 are the cause of leukodystrophy hypomyelinating type 4 (HLD4) [MIM:612233]; also called mitochondrial HSP60 chaperonopathy or MitCHAP-60 disease. HLD4 is a severe autosomal recessive hypomyelinating leukodystrophy. Clinically characterized by infantile-onset rotary nystagmus, progressive spastic paraplegia, neurologic regression, motor impairment, profound mental retardation. Death usually occurs within the first two decades of life.

序列相似性 Belongs to the chaperonin (HSP60) family.

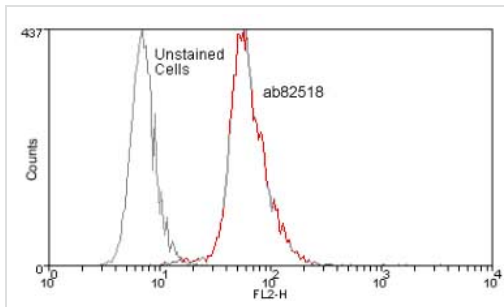
细胞定位 Mitochondrion matrix.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Hsp60 antibody [LK-2] (Phycoerythrin) (ab82518)

ICC/IF image of ab82518 stained HeLa cells. The cells were 100% methanol fixed (5 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 (ab82518, 10µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96879](#), DyLight® 488 goat anti-mouse 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.



Flow cytometry analysis of 10^6 Jurkat cells using ab82518 at 1/100 dilution.

Flow Cytometry - Hsp60 antibody [LK-2]
(Phycoerythrin) (ab82518)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors