

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)
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

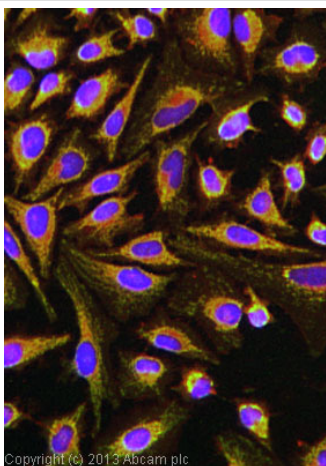
功能 Implicated in mitochondrial protein import and macromolecular assembly. May facilitate the correct folding of imported proteins. May also prevent misfolding and promote the refolding and proper assembly of unfolded polypeptides generated under stress conditions in the mitochondrial matrix.

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.

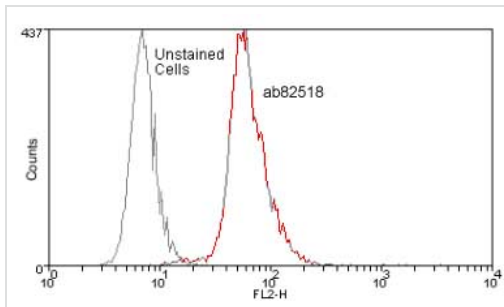
细胞定位 Mitochondrion matrix.

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 10⁶ Jurkat cells using ab82518 at 1/100 dilution.

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

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