

Product datasheet

Anti-LAMP2 antibody [H4B4] (PE/Cy5®) ab25223

1 References

概述

产品名称	Anti-LAMP2抗体[H4B4] (PE/Cy5®)
描述	小鼠单克隆抗体[H4B4] to LAMP2 (PE/Cy5®)
偶联物	PE/Cy5®. Ex: 496nm, Em: 670nm
经测试应用	适用于: IHC-Fr, Flow Cyt
种属反应性	与反应: Human
免疫原	The details of the immunogen for this antibody are not available.
常规说明	This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5,268,486 and related patents. Cy and CyDye are trademarks of GE Healthcare Limited.

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: 16% Sucrose, 0.2% Gelatin, PBS; Stabilizing agent
纯度	IgG fraction
克隆	单克隆
克隆编号	H4B4
同种型	IgG1

应用

Our [Abpromise guarantee](#) covers the use of **ab25223** 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
IHC-Fr		
Flow Cyt		

应用说明

Flow Cyt: Use 10µl for 10⁶ cells.

IHC-Fr: Use with acetone fixed tissues, at an assay dependent dilution.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Implicated in tumor cell metastasis. May function in protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome, adhesion when expressed on the cell surface (plasma membrane), and inter-and intracellular signal transduction. Protects cells from the toxic effects of methylating mutagens.

组织特异性

Isoform LAMP-2A is highly expressed in placenta, lung and liver, less in kidney and pancreas, low in brain and skeletal muscle. Isoform LAMP-2B is highly expressed in skeletal muscle, less in brain, placenta, lung, kidney and pancreas, very low in liver.

疾病相关

Defects in LAMP2 are the cause of Danon disease (DAND) [MIM:300257]; also known as glycogen storage disease type 2B (GSD2B). DAND is a lysosomal glycogen storage disease characterized by the clinical triad of cardiomyopathy, vacuolar myopathy and mental retardation. It is often associated with an accumulation of glycogen in muscle and lysosomes.

序列相似性

Belongs to the LAMP family.

翻译后修饰

O- and N-glycosylated; some of the 16 N-linked glycans are polylactosaminoglycans.

细胞定位

Cell membrane. Endosome membrane. Lysosome membrane. This protein shuttles between lysosomes, endosomes, and the plasma membrane.

形式

Alternative splicing produces 3 isoforms.

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