

Anti-Acid Phosphatase 2 antibody ab54721

4 图像

概述

产品名称	Anti-Acid Phosphatase 2抗体
描述	小鼠单克隆抗体to Acid Phosphatase 2
宿主	Mouse
经测试应用	适用于: ICC/IF, IHC-P, WB
种属反应性	与反应: Recombinant fragment 预测可用于: Human, Chimpanzee, Ferret, Chlamydia psittaci, Hepatitis B virus, Orangutan, Scorpion 
免疫原	Recombinant full length protein, corresponding to amino acids 1-424 of Human Acid Phosphatase 2

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG2b
轻链类型	lambda

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab54721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		

应用	Ab评论	说明
IHC-P		
WB		

应用说明

WB: Use at a concentration of 1-5 µg/ml.
 IF/ICC: Use at a concentration of 10 µg/ml.
 IHC-P: Use at a concentration of 5 µg/ml.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

Not yet tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

靶标

疾病相关

Defects in ACP2 are a cause of acid phosphatase deficiency (ACPHD) [MIM:200950]. The clinical features are intermittent vomiting, hypotonia, lethargy, opisthotonos, terminal bleeding, and death in early infancy. Lysosomal acid phosphatase is deficient in cultured fibroblasts and multiple tissues.

序列相似性

Belongs to the histidine acid phosphatase family.

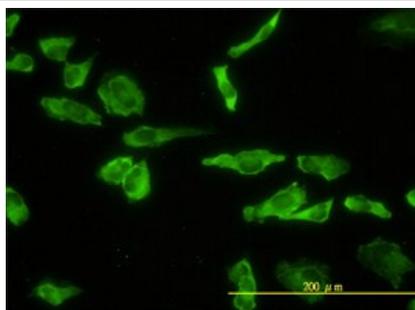
翻译后修饰

The membrane-bound form is converted to the soluble form by sequential proteolytic processing. First, the C-terminal cytoplasmic tail is removed. Cleavage by a lysosomal protease releases the soluble form in the lysosome lumen.
 N-glycosylated. The intermediates formed during enzymatic deglycosylation suggest that all eight predicted N-glycosylation sites are used.

细胞定位

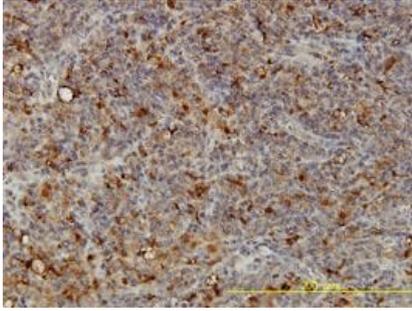
Lysosome membrane. Lysosome lumen. The soluble form arises by proteolytic processing of the membrane-bound form.

图片



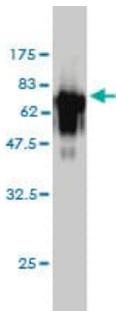
Acid Phosphatase 2 antibody (ab54721) used in immunofluorescence at 10ug/ml on HeLa cells.

Immunocytochemistry/ Immunofluorescence - Anti-Acid Phosphatase 2 antibody (ab54721)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Acid Phosphatase 2 antibody (ab54721)

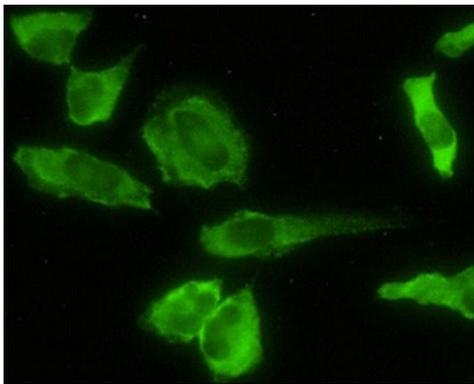
Acid Phosphatase 2 antibody (ab54721) used in immunohistochemistry at 5ug/ml on formalin fixed and paraffin embedded human lymphoma tissue.



Western blot - Anti-Acid Phosphatase 2 antibody (ab54721)

Western blot against tagged recombinant protein immunogen using ab54721 Acid Phosphatase 2 antibody at 1ug/ml. Predicted band size of immunogen is 72 kDa.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.



Immunocytochemistry/ Immunofluorescence - Anti-Acid Phosphatase 2 antibody (ab54721)

ab54721 at 10 ug/ml staining Acid Phosphatase 2 in human HeLa cells by Immunocytochemistry / Immunofluorescence.

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