


Anti-IMPDH1 antibody ab33039

★★★★★ [3 Abreviews](#) [5 References](#) [2 图像](#)

概述

产品名称	Anti-IMPDH1抗体
描述	兔多克隆抗体to IMPDH1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Xenopus laevis, Zebrafish 
免疫原	Synthetic peptide corresponding to Human IMPDH1 aa 500 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab33038)
常规说明	<p>The immunogen used for this product shares 86% homology with IMPDH2. Cross-reactivity with this protein has not been confirmed experimentally.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab33039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
WB	★★★★★ (1)	

应用说明

ICC/IF: 1/100 (please refer to abreview for further details).

WB: Use at a concentration of 1 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).

Not yet tested in other applications.

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

靶标

功能

Rate limiting enzyme in the de novo synthesis of guanine nucleotides and therefore is involved in the regulation of cell growth. It may also have a role in the development of malignancy and the growth progression of some tumors.

组织特异性

IMP type I is the main species in normal leukocytes and type II predominates over type I in the tumor.

通路

Purine metabolism; XMP biosynthesis via de novo pathway; XMP from IMP: step 1/1.

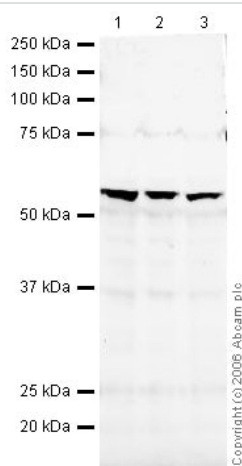
疾病相关

Defects in IMPDH1 are the cause of retinitis pigmentosa type 10 (RP10) [MIM:180105]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. RP10 inheritance is autosomal dominant.

序列相似性

Belongs to the IMPDH/GMPR family.
Contains 2 CBS domains.

图片



Western blot - Anti-IMPDPH1 antibody (ab33039)

All lanes : Anti-IMPDPH1 antibody (ab33039) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : Jurkat whole cell lysate ([ab7899](#))

Lane 3 : A-431 whole cell lysate ([ab7909](#))

Lysates/proteins at 20 µg per lane.

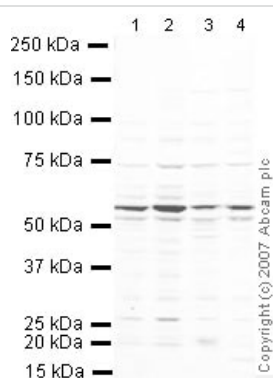
Secondary

All lanes : IRDye 680 Conjugated Goat anti-rabbit IgG (H&L) at 1/15000 dilution

Performed under reducing conditions.

Predicted band size: 55 kDa

Observed band size: 55 kDa



Western blot - Anti-IMPDPH1 antibody (ab33039)

All lanes : Anti-IMPDPH1 antibody (ab33039) at 1 µg/ml

Lane 1 : NIH/3T3 whole cell lysate ([ab7179](#))

Lane 2 : MEF1 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lane 3 : Ovary (Mouse) Tissue Lysate - normal tissue

Lane 4 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 55 kDa

Observed band size: 55 kDa

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