

For Research Use Only

ATP6V1H Monoclonal antibody

Catalog Number: 68425-1-Ig



Basic Information

Catalog Number:

68425-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10130

GenBank Accession Number:

BC025275

GeneID (NCBI):

51606

UNIPROT ID:

Q9UI12

Full Name:

ATPase, H⁺ transporting, lysosomal

50/57kDa, V1 subunit H

Calculated MW:

483 aa, 56 kDa

Observed MW:

50 kDa

Purification Method:

Protein G purification

CloneNo.:

3G7B5

Recommended Dilutions:

WB 1:5000-1:50000

IF 1:200-1:800

Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human, mouse, rat, rabbit, pig

Positive Controls:

WB : U2OS cells, pig brain tissue, LNCaP cells, HeLa cells, Jurkat cells, K-562 cells, rabbit brain tissue, rat brain tissue, mouse brain tissue

IF : HepG2 cells,

Background Information

The vacuolar-type H⁽⁺⁾-ATPase (V-ATPase) is responsible for the acidification of endosomes, lysosomes, and other intracellular organelles. It is also involved in hydrogen ion transport across the plasma membrane into the extracellular space. The V-ATPase is a multisubunit complex with cytosolic and transmembrane domains.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

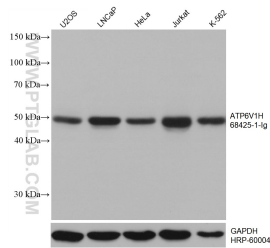
T: 4006900926

E: Proteintech-CN@ptglab.com

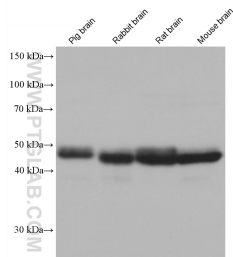
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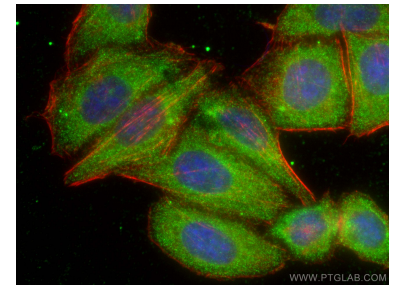
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68425-1-Ig (ATP6V1H antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ATP6V1H antibody (68425-1-Ig, Clone: 3G7B5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).