abcam

Product datasheet

Anti-ATP6V1D antibody [EPR11326(B)] ab157458

Recombinant RabMAb

4 References 7 Images

Overview

Product name	Anti-ATP6V1D antibody [EPR11326(B)]
Description	Rabbit monoclonal [EPR11326(B)] to ATP6V1D
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, IHC-P, ICC/IF, IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human breast and kidney tissues; Human fetal brain, Y79, 293T and HeLa whole cell lysate (ab150035); HeLa and 293T cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20ºC.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR11326(B)

Isotype IgG

Applications

The Abpromise guarantee Our Abpromise guarantee covers the use of ab157458 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

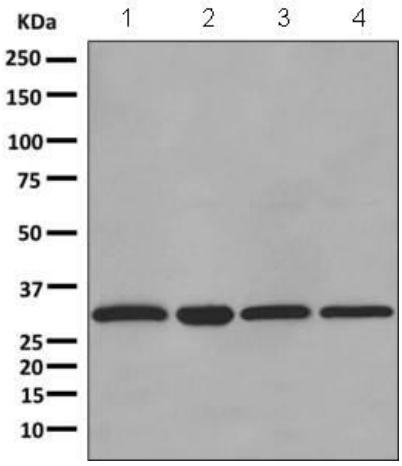
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/10000 - 1/50000. Predicted molecular weight: 28 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.
IP		1/10 - 1/100.

Target

Relevance ATP6V1D is a subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase is an heteromultimeric enzyme composed of a peripheral catalytic V1 complex (components A to H) attached to an integral membrane V0 proton pore complex (components: a, c, c', c'' and d). It is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system.

Cellular localization Cell Membrane and Cytoplasmic

Images



Western blot - Anti-ATP6V1D antibody [EPR11326(B)] (ab157458)

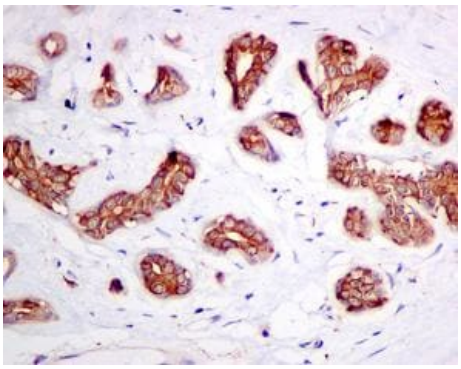
All lanes : Anti-ATP6V1D antibody [EPR11326(B)] (ab157458) at 1/10000 dilution

Lane 1 : Human fetal brain lysate
Lane 2 : Y79 cell lysate
Lane 3 : 293T cell lysate
Lane 4 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat anti-rabbit HRP at 1/2000 dilution

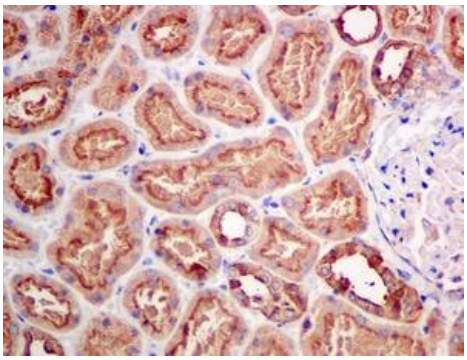
Predicted band size: 28 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP6V1D antibody [EPR11326(B)] (ab157458)

Immunohistochemical analysis of Paraffin-embedded Human breast tissue labeling ATP6V1D with ab157458 at 1/50 dilution.

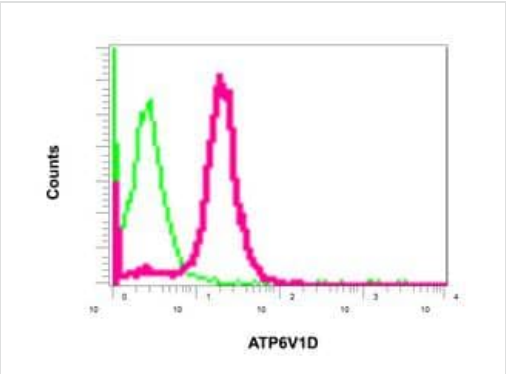
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP6V1D antibody [EPR11326(B)] (ab157458)

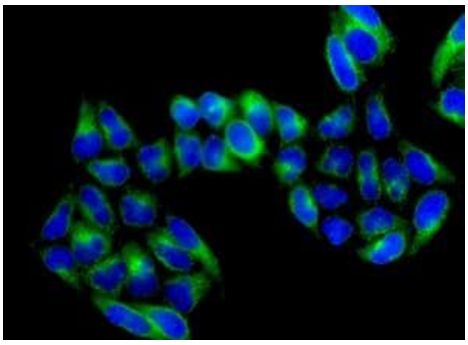
Immunohistochemical analysis of Paraffin-embedded Human kidney tissue labeling ATP6V1D with ab157458 at 1/50 dilution

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



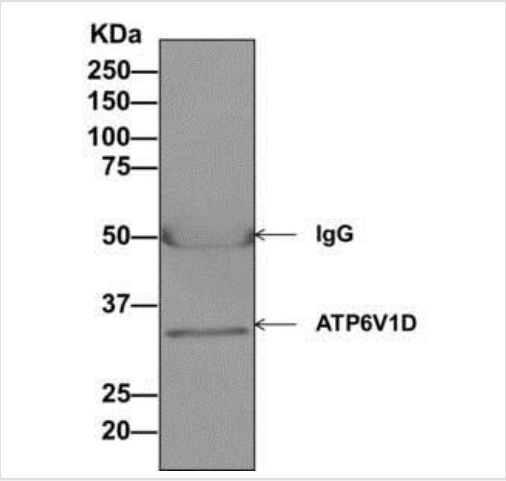
Flow Cytometry (Intracellular) - Anti-ATP6V1D antibody [EPR11326(B)] (ab157458)

Intracellular flow cytometric analysis of permeabilized 293T cells labeling ATP6V1D with ab157458 at 1/10 dilution (red) or a rabbit IgG negative (green).



Immunocytochemistry/ Immunofluorescence - Anti-ATP6V1D antibody [EPR11326(B)] (ab157458)

Immunofluorescent analysis of HeLa cells labeling ATP6V1D with ab157458 at 1/100 dilution.



Immunoprecipitation - Anti-ATP6V1D antibody [EPR11326(B)] (ab157458)

Detection of ATP6V1D by Western Blot of Immunprecipitate. Y79 cell lysate immunoprecipitated using ab157458 at 1/10 dilution.

Anti-ATP6V1D antibody [EPR11326(B)] (ab157458) at 1/10000 dilution + Immunoprecipitation pellet from Y79 cell lysate at 10 µg

Anti-ATP6V1D antibody [EPR11326(B)] (ab157458)

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