


Product datasheet

Anti-ATP6V1D antibody [EPR11326(B)] - BSA and Azide free ab249327

Recombinant RabMAb

7 Images

Overview

Product name	Anti-ATP6V1D antibody [EPR11326(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR11326(B)] to ATP6V1D - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, Flow Cyt (Intra), IP, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249327 is the carrier-free version of ab157458.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR11326(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249327 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

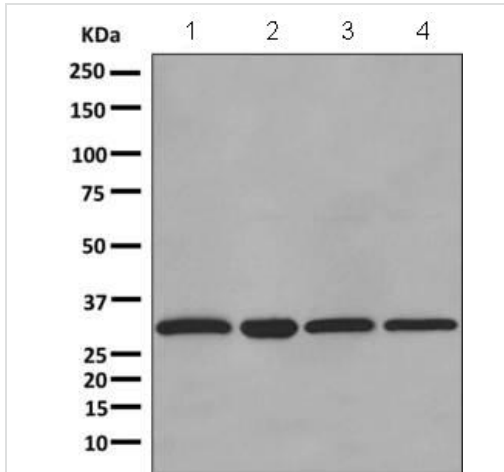
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 28 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Flow Cyt (Intra)		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

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)] - BSA and Azide free (ab249327)

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

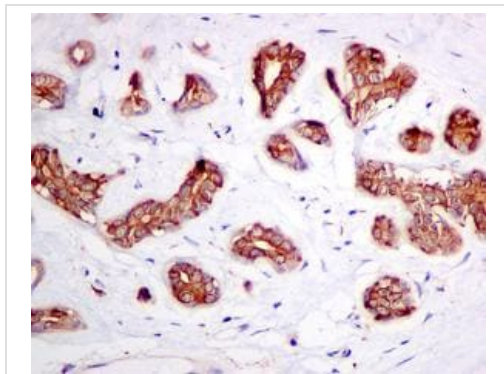
Lysates/proteins at 10 µg per lane.

Secondary

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

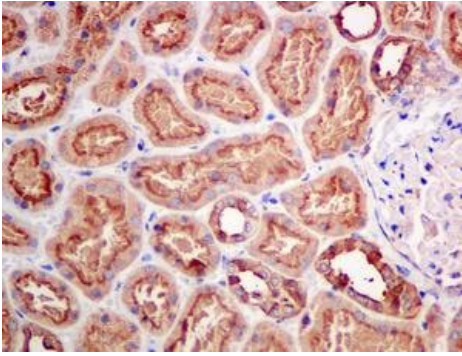
Predicted band size: 28 kDa

This data was developed using [ab157458](#), the same antibody clone in a different buffer formulation.



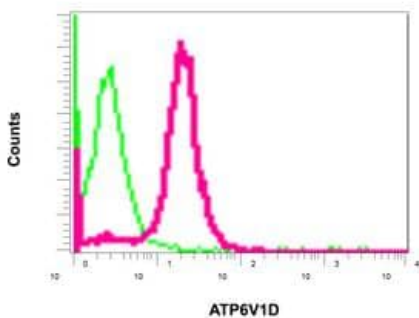
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATP6V1D antibody
[EPR11326(B)] - BSA and Azide free (ab249327)

This data was developed using [ab157458](#), the same antibody clone in a different buffer formulation. 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)] - BSA and Azide free (ab249327)

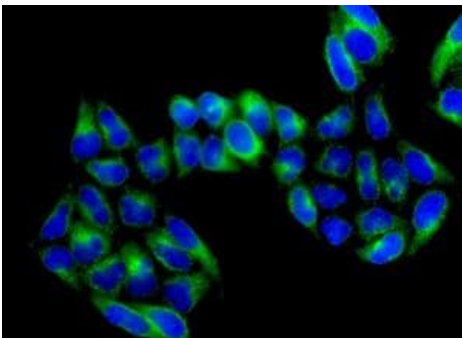
This data was developed using **ab157458**, the same antibody clone in a different buffer formulation. Immunohistochemical analysis of Paraffin-embedded Human kidney tissue labeling ATP6V1D with **ab157458** at 1/50 dilution Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-ATP6V1D antibody [EPR11326(B)] - BSA and Azide free (ab249327)

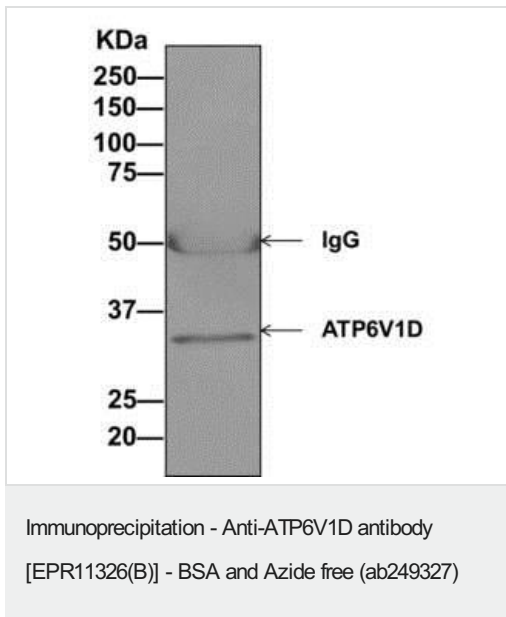
This data was developed using **ab157458**, the same antibody clone in a different buffer formulation.

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)] - BSA and Azide free (ab249327)

This data was developed using **ab157458**, the same antibody clone in a different buffer formulation. Immunofluorescent analysis of HeLa cells labeling ATP6V1D with **ab157458** at 1/100 dilution.







This data was developed using **ab157458**, the same antibody clone in a different buffer formulation.

Detection of ATP6V1D by Western Blot of Immunoprecipitate. 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

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-ATP6V1D antibody [EPR11326(B)] - BSA and Azide free (ab249327)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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