

Product Datasheet

ATP6V1A Antibody (4F5) - Azide and BSA Free H00000523-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00000523-M02

ATP6V1A Antibody (4F5) - Azide and BSA Free

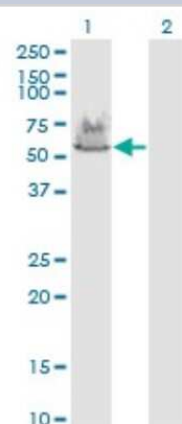
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4F5
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	523
Gene Symbol	ATP6V1A
Species	Human, Rat
Specificity/Sensitivity	Reacts with ATPase, H ⁺ transporting, lysosomal 70kDa, V1 subunit A.
Immunogen	ATP6V1A (NP_001681, 508 a.a. ~ 617 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. TLEVAKLIKDDFLQQNGYTPYDRFCPFYKTVGMLSNMIAFYDMARRAVETTAQ SDNKITWSIIREHMGDILYKLSSMKFKDPLKDGEAKIKSDYAQLLEDMQNAFRSL ED
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

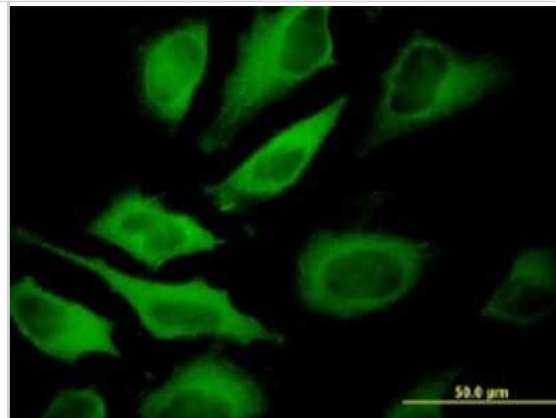
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	This antibody is reactive against recombinant protein in WB and ELISA.

Images

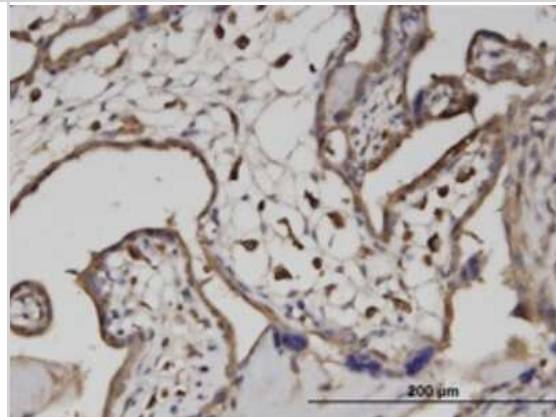
Western Blot: ATP6V1A Antibody (4F5) [H00000523-M02] - Analysis of ATP6V1A expression in transfected 293T cell line by ATP6V1A monoclonal antibody (M02), clone 4F5. Lane 1: ATP6V1A transfected lysate (Predicted MW: 68.3 KDa). Lane 2: Non-transfected lysate.



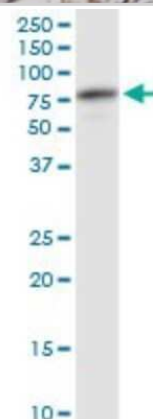
Immunocytochemistry/Immunofluorescence: ATP6V1A Antibody (4F5) [H00000523-M02] - Analysis of monoclonal antibody to ATP6V1A on HeLa cell . Antibody concentration 10 ug/ml.



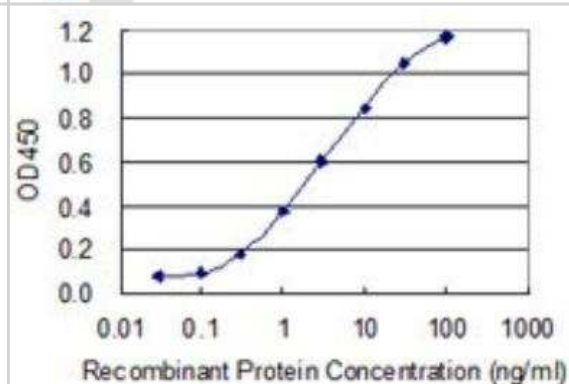
Immunohistochemistry-Paraffin: ATP6V1A Antibody (4F5) [H00000523-M02] - Analysis of monoclonal antibody to ATP6V1A on formalin-fixed paraffin-embedded human placenta. Antibody concentration 3 ug/ml.



Western Blot: ATP6V1A Antibody (4F5) [H00000523-M02] - ATP6V1A monoclonal antibody (M02), clone 4F5. Analysis of ATP6V1A expression in human kidney.



ELISA: ATP6V1A Antibody (4F5) [H00000523-M02] - Detection limit for recombinant GST tagged ATP6V1A is 0.03 ng/ml as a capture antibody.



Publications

Bhairavi T, Anna C, Yanmin Y et al. Ras-mutant cancers are sensitive to small molecule inhibition of V-type ATPases in mice. *Nat Biotechnol.* 2022-07-25 [PMID: 35879364]

Ramirez C, Hauser A, Vucic E et al. Plasma membrane V-ATPase controls oncogenic RAS-induced macropinocytosis. *Nature.* 2019-12-11 [PMID: 31827278]

Smith GA, Howell GJ, Phillips C et al. Extracellular and Luminal pH Regulation by Vacuolar H⁺-ATPase Isoform Expression and Targeting to the Plasma Membrane and Endosomes. *J Biol Chem* 2016-04-15 [PMID: 26912656]





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Products Related to H0000523-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-55164PEP	ATP6V1A Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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