Datasheet for ABIN2856776

anti-ATP6V1H antibody (Center)

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3 Images

Overview

Quantity:	100 µL
Target:	ATP6V1H
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1H antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ATP6V1H. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Chicken, Pig (Porcine), Xenopus laevis, Zebrafish (Danio rerio), Cow (Bovine), Xenopus tropicalis
Cross-Reactivity (Details):	Chicken (96 %), Pig (99 %), Xenopus laevis (94 %), Zebrafish (91 %), Bovine (98 %), Xenopus tropicalis (94 %)
Characteristics:	Rabbit Polyclonal antibody to ATP6V1H (ATPase, H+ transporting, lysosomal 50/57 kDa, V1 subunit H) ATP6V1H antibody [N3C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ATP6V1H
Alternative Name:	ATP6V1H (ATP6V1H Products)
Background:	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c", and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This gene encodes the regulatory H subunit of the V1 domain which is required for catalysis of ATP but not the assembly of V-ATPase. Three alternatively spliced transcript variants encode two isoforms of the H subunit.
Molecular Weight:	56 kDa
Gene ID:	51606
Pathways:	Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	Suggested dilution Reference ICC/IF Assay-dependent dilution IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IFAssay-dependent dilution IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: 293T , A431 , H1299 , HeLa , Raji , mouse brain
Restrictions:	For Research Use only

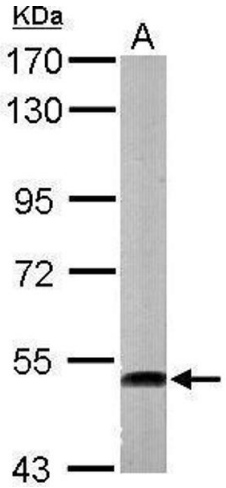
Handling

Format:	Liquid
Concentration:	0.56 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.

Handling

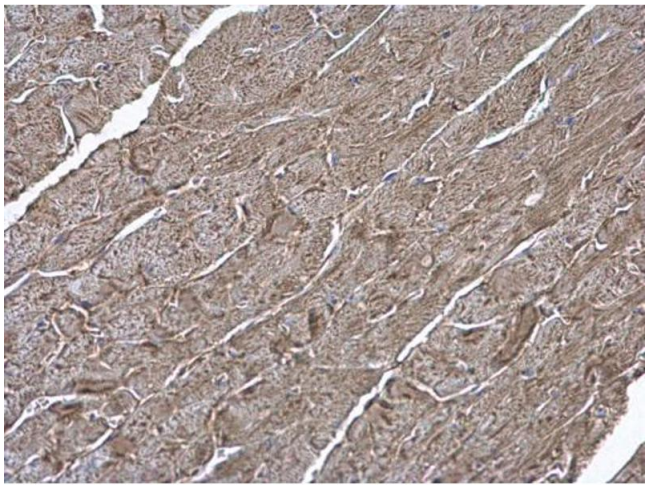
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #101746 for Immunofluorescence (IF)



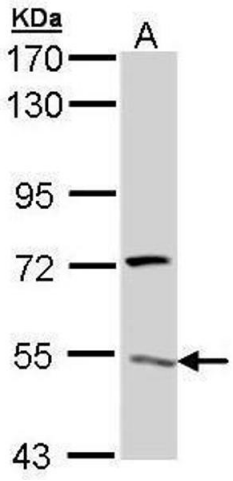
Western Blotting

Image 1. WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 7.5% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image ATP6V1H antibody [N3C3] detects ATP6V1H protein at cytoplasm on mouse heart by immunohistochemical analysis. Sample: Paraffin-embedded mouse heart. ATP6V1H antibody [N3C3] , diluted at 1:500.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Hela 7.5% SDS PAGE antibody diluted at 1:1000

