Datasheet for ABIN2856773

anti-ATP6V1C2 antibody (Center)

1 Image

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Overview

Quantity:	100 µL
Target:	ATP6V1C2
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1C2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human V-ATPase C2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Cow (Bovine)
Cross-Reactivity (Details):	Mouse (89 %), Rat (90 %), Bovine (92 %)
Characteristics:	Rabbit polyclonal antibody to V-ATPase C2 (ATPase, H+ transporting, lysosomal 42 kDa, V1 subunit C2) V-ATPase C2 antibody [N1C1]
Purification:	Purified by antigen-affinity chromatography.

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Target Details

Target:	ATP6V1C2
Alternative Name:	V-ATPase C2 (ATP6V1C2 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,three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. This gene encodes alternate transcriptional splice variants, encoding different V1 domain C subunit isoforms.
Molecular Weight:	49 kDa
Gene ID:	245973
Pathways:	Transition Metal Ion Homeostasis, Proton Transport

Application Details

Application Notes:	Suggested dilution Reference Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceWestern blot1:500-1:3000*
Comment:	Positive Control: 293T , A431 , H1299 , HeLa , Molt-4 , Raji
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
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

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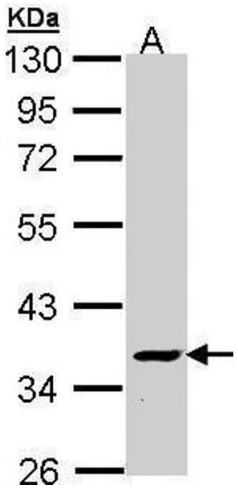
Handling

Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #100014 for Immunofluorescence (IF)



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Molt-4 , 10% SDS PAGE antibody diluted at 1:1000