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Datasheet for ABIN7468018 **anti-ATP6V1B2 antibody**

Overview

Quantity:	100 µL
Target:	ATP6V1B2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP6V1B2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ATP6V1B2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ATP6V1B2
Alternative Name:	ATPase H ⁺ transporting V1 subunit B2 (ATP6V1B2 Products)
Background:	Synonyms: ATPase H ⁺ transporting V1 subunit B2 , ATP6B1B2 , ATP6B2 , DOOD , HO57 , VATB , VPP3 , Vma2 , ZLS2 Background: This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit

Target Details

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. The protein encoded by this gene is one of two V1 domain B subunit isoforms and is the only B isoform highly expressed in osteoclasts. [provided by RefSeq, Jul 2008]

Molecular Weight: 57 kDa

Gene ID: 526

UniProt: [P21281](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Proton Transport](#)

Application Details

Application Notes: WB: 1:500-1:10000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: U87-MG , SK-N-SH , IMR32 , SK-N-AS , mouse brain , rat brain Validation: Orthogonal

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal

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: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.