



Datasheet for ABIN2855175
anti-ATP6V1E1 antibody (Center)



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2 Images

Overview

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|----------------------|---|
| Quantity: | 100 µL |
| Target: | ATP6V1E1 |
| Binding Specificity: | Center |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ATP6V1E1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|-----------------------------|---|
| Immunogen: | Recombinant protein encompassing a sequence within the center region of human ATP6V1E1. The exact sequence is proprietary. |
| Isotype: | IgG |
| Cross-Reactivity: | Chicken, Rat (Rattus), Cow (Bovine), Xenopus tropicalis |
| Cross-Reactivity (Details): | Chicken (85 %), Rat (98 %), Bovine (97 %), Xenopus tropicalis (83 %) |
| Characteristics: | Rabbit Polyclonal antibody to ATP6V1E1 (ATPase, H ⁺ transporting, lysosomal 31 kDa, V1 subunit E1) ATP6V1E1 antibody [N1C3] |
| Purification: | Purified by antigen-affinity chromatography. |

Target Details

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| Target: | ATP6V1E1 |
| Alternative Name: | ATP6V1E1 (ATP6V1E1 Products) |
| Background: | <p>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 E subunit isoforms. Pseudogenes for this gene have been found in the genome.</p> |
| Molecular Weight: | 26 kDa |
| Gene ID: | 529 |
| Pathways: | Transition Metal Ion Homeostasis , Proton Transport |

Application Details

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| Application Notes: | <p>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*</p> |
| Comment: | Positive Control: 293T , A431 , HepG2 , Molt-4 , Raji , mouse brain |
| Restrictions: | For Research Use only |

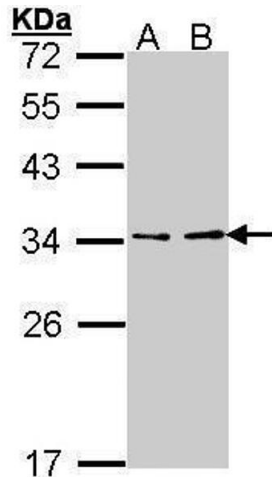
Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.17 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 |

Handling

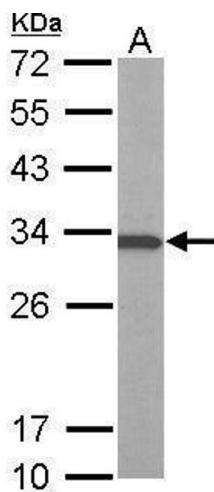
Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , B: Molt-4 , 12% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 12% SDS PAGE antibody diluted at 1:1000