

Product datasheet for **TA307969**

ATP6V1H Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB:1:500-1:3000
Reactivity:	Human, Mouse (Predicted: Chicken, Pig, Xenopus, Zebrafish, Bovine, X. tropicalis)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 169 and 444 of ATP6V1H (Uniprot ID#Q9UI12)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	56 kDa
Gene Name:	ATPase H ⁺ transporting V1 subunit H
Database Link:	NP_998785 Entrez Gene 108664 Mouse Entrez Gene 51606 Human Q9UI12



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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. [provided by RefSeq]

Synonyms:

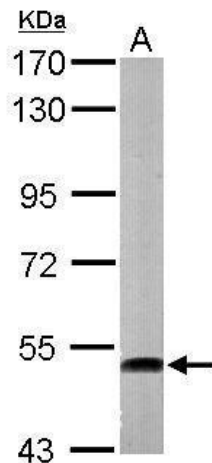
CGI-11; MSTP042; NBP1; SFD; SFDalpha; SFDbeta; VMA13

Note:

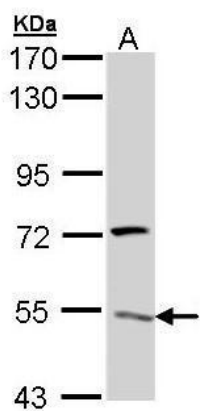
Seq homology of immunogen across species: Chicken (96%), Pig (99%), *Xenopus laevis* (94%), Zebrafish (91%), Bovine (98%), *Xenopus tropicalis* (94%)

Protein Pathways:

Epithelial cell signaling in *Helicobacter pylori* infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, *Vibrio cholerae* infection

Product images:

Sample (50 ug of whole cell lysate). A: Mouse brain. 7.5% SDS PAGE. TA307969 diluted at 1:1000.



Sample (30 ug of whole cell lysate). A: HeLa. 7.5% SDS PAGE. TA307969 diluted at 1:1000.