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Immunotag™ V-ATPase S1 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT6079
Product Description	Immunotag™ V-ATPase S1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	V-ATPase S1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000, ELISA 1:10000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human V-ATPase S1. at AA range: 421-470
Specificity	V-ATPase S1 Polyclonal Antibody detects endogenous levels of V-ATPase S1
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	ATP6AP1
Accession No.	Q15904 Q9R1Q9
Alternate Names	V-type proton ATPase subunit S1 (V-ATPase subunit S1) (Protein XAP-3) (V-ATPase Ac45 subunit) (V-ATPase S1 accessory protein) (Vacuolar proton pump subunit S1)

Antibody Specification

Description	ATPase H+ transporting accessory protein 1(ATP6AP1) Homo sapiens This gene encodes a component of a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein of this gene may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules. This protein may also play a role in early development. [provided by RefSeq, Aug 2013],
Cell Pathway/ Category	Oxidative phosphorylation,Lysosome,Vibrio cholerae infection,Epithelial cell signaling in Helicobacter pylori infection,
Protein Expression	Brain,Kidney,Liver,Spleen,Testis,
Subcellular Localization	vacuolar membrane,endosome membrane,integral component of membrane,proton-transporting two-sector ATPase complex,proton-transporting V-type ATPase, V1 domain,extracellular exosome,
Protein Function	function:Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.,similarity:Belongs to the vacuolar ATPase subunit S1 family.,subunit:Composed of at least 10 subunits.,tissue specificity:Ubiquitous.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.