



Anti-ATP6AP1 (aa 51-150) polyclonal antibody (DPAB-DC2283)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	ATP6AP1 (NP_001174, 51 a.a. ~ 150 a.a) partial recombinant protein with GST tag. The sequence is SSDRDLWAPAADTHEGHITSDLQLSTYLDPALELGPRNVLLFLQDKLSIEDFTAYGGVFG NKQDSAFSNLENALDLAPSSLVLPADVWYAVSTLTYYLQE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ATP6AP1 ATPase, H+ transporting, lysosomal accessory protein 1 [Homo sapiens (human)]
Official Symbol	ATP6AP1
Synonyms	ATP6AP1; ATPase, H+ transporting, lysosomal accessory protein 1; 16A; CF2; Ac45; XAP3; XAP-3; ATP6S1; VATPS1; ATP6IP1; V-type proton ATPase subunit S1; protein XAP-3; H-ATPase subunit; V-ATPase subunit S1; V-ATPase Ac45 subunit; V-ATPase S1 accessory protein; vacuolar proton pump subunit S1; ATPase, H+ transporting, lysosomal interacting protein 1; ATPase, H+ transporting, lysosomal (vacuolar proton pump), subunit 1;
Entrez Gene ID	537
Protein Refseq	NP_001174
UniProt ID	Q15904
Chromosome Location	Xq28
Pathway	Epithelial cell signaling in Helicobacter pylori infection; Hepatitis B; Lysosome; Oxidative phosphorylation.
Function	ATP binding; Rab GTPase binding; proton-transporting ATP synthase activity, rotational mechanism; proton-transporting ATPase activity, rotational mechanism