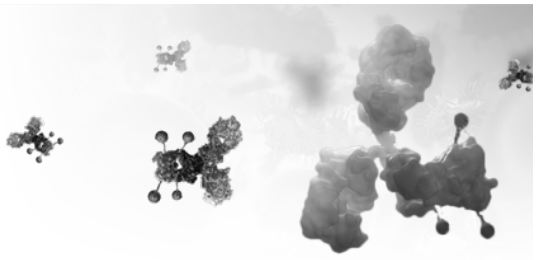

Mouse anti-Human ATP6AP1 monoclonal antibody, clone 4B3 (CABT-B9816)

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

PRODUCT INFORMATION

Immunogen	ATP6AP1 (NP_001174, 51 a.a. ~ 151 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4B3
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	SSDRDLWAPAADTHEGHITSDLQLSTYLDPALELGPRNVLLFLQDKLSIEDFTAYGGVFG NKQDSAFSNLENALDLAPSSLVLPAVDWYAVSTLTTYLQE*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	(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]
Keywords	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;

GENE INFORMATION

Entrez Gene ID	537
UniProt ID	Q9H0C7
Pathway	Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolic pathways, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem
Function	ATP binding; hydrogen ion transporting ATP synthase activity, rotational mechanism; nucleotide binding; proton-transporting ATPase activity, rotational mechanism; transporter activity

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