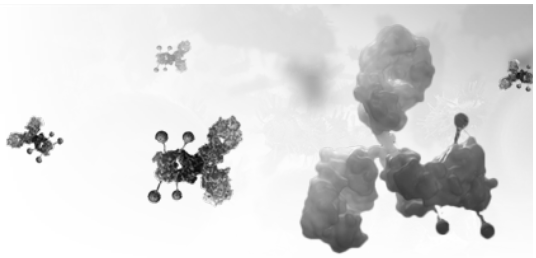

Mouse anti-Human ATP6V1G3 monoclonal antibody, clone 4B6 (CABT-B9821)

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

PRODUCT INFORMATION

Immunogen	ATP6V1G3 (NP_573569, 38 a.a. ~ 119 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	4B6
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	EEAMVEIDQYRMQRDKEFRLKQSKIMGSQNNLSDEIEEQTLGKIQELNGHYNKYMESVMN QLLSMVCDMKPEIHVNYRATN*
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 vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle

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	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 one of three G subunit proteins. Transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Keywords	ATP6V1G3; ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G3; Vma10; ATP6G3; V-type proton ATPase subunit G 3; V-ATPase G3 subunit; V-ATPase G subunit 3; V-ATPase subunit G 3; V-ATPase 13 kDa subunit 3; vacuolar proton pump G subunit 3; vacuolar proton pump subunit G 3; vacuolar proton pump, subunit G3; vacuolar ATP synthase subunit G 3; ATPase, H+ transporting, lysosomal (vacuolar proton pump) subunit G3;

GENE INFORMATION

Entrez Gene ID	127124
UniProt ID	Q96LB4
Pathway	Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid secretion, conserved biosystem; Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Insulin receptor recycling, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem
Function	ATPase binding; hydrogen-exporting ATPase activity, phosphorylative mechanism; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances

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