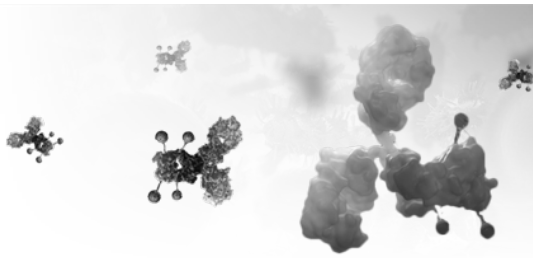

Mouse anti-Human ATP6V1C2 monoclonal antibody, clone 4E6 (CABT-B9819)

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

PRODUCT INFORMATION

Immunogen	ATP6V1C2 (NP_653184, 188 a.a. ~ 254 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	4E6
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	VPKPNYSQWQKTYESLSDMVVPRSTKLITEDKEGGLFTVTLFRKVIEDFKTKAKENKFTV REFYYD*
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,three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. This gene encodes alternate transcriptional splice variants, encoding different V1 domain C subunit isoforms. [provided by RefSeq, Jul 2008]
Keywords	ATP6V1C2; ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2; VMA5; ATP6C2; V-type proton ATPase subunit C 2; V-ATPase C2 subunit; V-ATPase subunit C 2; vacuolar proton pump subunit C 2;

GENE INFORMATION

Entrez Gene ID	245973
UniProt ID	Q8NEY4
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	hydrogen-exporting ATPase activity, phosphorylative mechanism; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances

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