



Anti-ATP6V1B1 monoclonal antibody, clone 4C22 (DCABH-618)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to ATP6V1B1
Antigen Description	Non-catalytic subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.
Immunogen	Recombinant full length Human ATP6V1B1 produced in HEK293T cells (NP_001683).
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	4C22
Purity	Protein A purified
Purification	This antibody is purified from Mouse ascites fluid by affinity chromatography.
Conjugate	Unconjugated
Applications	WB, IHC-P
Positive Control	HEK293T cell lysate transfected with pCMV6-ENTRY ATP6V1B1; Human ovary adenocarcinoma and kidney tissues.
Format	Liquid
Size	100 µl
Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 1% BSA, 50% Glycerol, 48% PBS

Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	ATP6V1B1 ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B1 [Homo sapiens]
Official Symbol	ATP6V1B1
Synonyms	ATP6V1B1; ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B1; ATP6B1, vacuolar proton pump 3 , VPP3; V-type proton ATPase subunit B, kidney isoform; Renal tubular acidosis with deafness; RTA1B; VATB; Vma2; V-ATPase B1 subunit; V-ATPase subunit B
Entrez Gene ID	525
Protein Refseq	NP_001683
UniProt ID	P15313
Chromosome Location	2p13
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; Metabolic pathways, organism-specific biosystem;
Function	ATP binding; hydrogen ion transmembrane transporter activity; hydrogen ion transporting ATP synthase activity, rotational mechanism; hydrolase activity; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances; proton