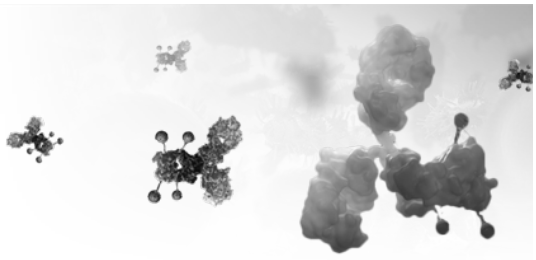

Anti-ATP6V1C1 (aa 1-110) polyclonal antibody (DPAB-DC2244)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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 is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma subunit of F-ATPases. Previously, this gene was designated ATP6D.
Immunogen	ATP6V1C1 (NP_001686, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. The sequence is MTEFWLISAPGEKTCQQTWEKLHAATSKNNNLAVTSKFNIPDLKVGTLDVLVGLSDELAK LDAFVEGVVKKVAQYMADVLEDSKDKVQENLLANGVDLVTYITRFQWDMA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Tissue lysate), ELISA,
Size	50 µl
Buffer	50 % glycerol

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Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ATP6V1C1 ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1 [Homo sapiens (human)]
Official Symbol	ATP6V1C1
Synonyms	ATP6V1C1; ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1; VATC; Vma5; ATP6C; ATP6D; V-type proton ATPase subunit C 1; V-ATPase C subunit; H+ -ATPase C subunit; V-ATPase subunit C 1; vacuolar proton pump C subunit; vacuolar ATP synthase subunit C; vacuolar proton pump subunit C 1; vacuolar proton pump, 42-kD subunit; H+-transporting ATPase chain C, vacuolar; vacuolar proton-ATPase, subunit C, VI domain; subunit C of vacuolar proton-ATPase V1 domain; H(+)-transporting two-sector ATPase, subunit C;
Entrez Gene ID	528
Protein Refseq	NP_001686
UniProt ID	A0A024R9I0
Chromosome Location	8q22.3
Pathway	Collecting duct acid secretion; Disease; Epithelial cell signaling in Helicobacter pylori infection; Iron uptake and transport
Function	hydrogen-exporting ATPase activity, phosphorylative mechanism; protein binding; proton-transporting ATPase activity, rotational mechanism; transporter activity

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