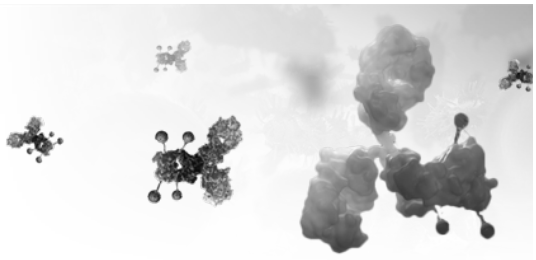

Anti-ATP6V1D (aa 69-168) polyclonal antibody (DPAB-DC2164)

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 eukaryotic intracellular organelles. V-ATPase dependent organelle 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 the V1 domain D subunit protein.
Immunogen	ATP6V1D (NP_057078, 69 a.a. ~ 168 a.a) partial recombinant protein with GST tag. The sequence is LAEAKFTAGDFSTTVIQNVNKAQVKIRAKKDNVAGVTLPVFEHYHEGTDSYELTGLARGG EQLAKLKRNYAKAVELLVELASLQTSFVTLDEAIKITNRR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ATP6V1D ATPase, H+ transporting, lysosomal 34kDa, V1 subunit D [Homo sapiens (human)]
Official Symbol	ATP6V1D
Synonyms	ATP6V1D; ATPase, H+ transporting, lysosomal 34kDa, V1 subunit D; VATD; VMA8; ATP6M; V-type proton ATPase subunit D; V-ATPase D subunit; V-ATPase subunit D; vacuolar H-ATPase subunit D; vacuolar proton pump D subunit; vacuolar proton pump subunit D; vacuolar ATP synthase subunit D; vacuolar proton-ATPase subunit D; V-ATPase 28 kDa accessory protein; vacuolar proton pump delta polypeptide; ATPase, H+ transporting lysosomal, member M; H(+)-transporting two-sector ATPase, subunit M; ATPase, H+ transporting, lysosomal (vacuolar proton pump);
Entrez Gene ID	51382
Protein Refseq	NP_057078
UniProt ID	A0A024R683
Chromosome Location	14q23-q24.2
Pathway	Collecting duct acid secretion; Disease; Epithelial cell signaling in Helicobacter pylori infection; Iron uptake and transport
Function	ATPase activity, coupled to transmembrane movement of substances; protein binding;

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