



V-ATPase C2 Polyclonal Antibody

Catalog No	YP-Ab-16512
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	ATP6V1C2
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP6V1C2. AA range:121-170
Specificity	V-ATPase C2 Polyclonal Antibody detects endogenous levels of V-ATPase C2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ATP6C2;ATP6V1C2;ATPase H ⁺ transporting lysosomal 42kDa V1 subunit C2;V ATPase C2 subunit;V ATPase subunit C 2;V type proton ATPase subunit C 2;V-ATPase subunit C 2;V-type proton ATPase subunit C 2;Vacuolar ATP synthase subunit C 2;Vacuolar H ⁺ ATPase C2;Vacuolar proton pump subunit C 2; VATC2_HUMAN;VMA 5;VMA5;V-ATPase C2
Observed Band	48kD
Calculated Molecular Weight	48kD
Cell Pathway	vacuolar proton-transporting V-type ATPase, V1 domain,lysosomal membrane, cytosol,proton-transporting V-type ATPase, V1 domain,extracellular exosome,
Tissue Specificity	Kidney and placenta.
Function	function:Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit C is necessary for the assembly of the catalytic sector of the enzyme and is likely to have a specific function in its catalytic activity. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells., similarity:Belongs to the V-ATPase C subunit family.,subunit:V-ATPase is an heteromultimeric enzyme composed of a peripheral catalytic V1 complex



(components A to H) attached to an integral membrane V0 proton pore complex (components: a, c, c', c'' and d).,tissue specificity:Kidney and placenta.,

Background

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,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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



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