



Human ATP6AP2 peptide (DAG-P1380)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that is associated with adenosine triphosphatases (ATPases). Proton-translocating ATPases have fundamental roles in energy conservation, secondary active transport, acidification of intracellular compartments, and cellular pH homeostasis. There are three classes of ATPases- F, P, and V. The vacuolar (V-type) ATPases have a transmembrane proton-conducting sector and an extramembrane catalytic sector. The encoded protein has been found associated with the transmembrane sector of the V-type ATPases. [provided by RefSeq, Jul 2008]
Specificity	Expressed in brain, heart, placenta, liver, kidney and pancreas. Barely detectable in lung and skeletal muscles. In the kidney cortex it is restricted to the mesangium of glomeruli. In the coronary and kidney artery it is expressed in the subendothelium,
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ATP6AP2 ATPase, H+ transporting, lysosomal accessory protein 2 [Homo sapiens (human)]
Official Symbol	ATP6AP2
Synonyms	ATP6AP2; ATPase, H+ transporting, lysosomal accessory protein 2; M8-9; MRXE; XMRE; XPDS; HT028; MRXSH; ELDF10; ATP6IP2; MSTP009; APT6M8-9; ATP6M8-9; renin receptor; N14F; V-ATPase M8.9 subunit; renin/prorenin receptor; ER-localized type I transmembrane adaptor; embryonic liver differentiation factor 10; ATPase H(+)-transporting lysosomal-

interacting protein 2; ATPase, H⁺ transporting, lysosomal interacting protein 2; vacuolar ATP synthase membrane sector-associated protein M8-9; vacuolar proton ATP synthase membrane sector associated protein M8-9; ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) membrane sector associated protein M8-9;

Entrez Gene ID	10159
mRNA Refseq	NM_005765.2
Protein Refseq	NP_005756.2
UniProt ID	O75787
Chromosome Location	Xp11.4
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Metabolism of Angiotensinogen to Angiotensins, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Peptide hormone metabolism, organism-specific biosystem; Wnt signaling network, organism-specific biosystem;
Function	aspartic-type endopeptidase activity; enzyme binding; protein binding; receptor activity;