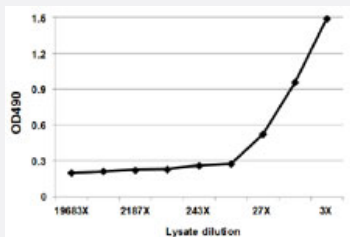


ATP6AP1 (Human) Matched Antibody Pair

Catalog # H00000537-AP51 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 81x to 3x dilution of the ATP6AP1 293T overexpression lysate (non-denatured).

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human ATP6AP1.
Reactivity	Human
Quality Control Testing	Standard curve using ATP6AP1 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 81x to 3x dilution of the ATP6AP1 293T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-ATP6AP1, IgG1 Kappa (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-ATP6AP1 (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

Gene Info — ATP6AP1

Entrez GeneID [537](#)

Gene Name ATP6AP1

Gene Alias 16A, ATP6IP1, ATP6S1, Ac45, CF2, MGC129781, VATPS1, XAP-3, XAP3

Gene Description ATPase, H⁺ transporting, lysosomal accessory protein 1

Omim ID [300197](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a component of a multisubunit enzyme (1 mDa MW) that mediates acidification of eukaryotic intracellular organelles. Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein of this gene is approximately 45 kD and may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules. [provided by RefSeq]

Other Designations ATPase, H⁺ transporting, lysosomal (vacuolar proton pump), subunit 1|ATPase, H⁺ transporting, lysosomal interacting protein 1|H-ATPase subunit|OTTHUMP00000032115|V-ATPase S1 accessory protein

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Lysosome](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Vibrio cholerae infection](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)