Product Datasheet

ATP6V0A4 Polyclonal Antibody

Catalog No: #30975

Package Size: #30975-1 50ul #30975-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

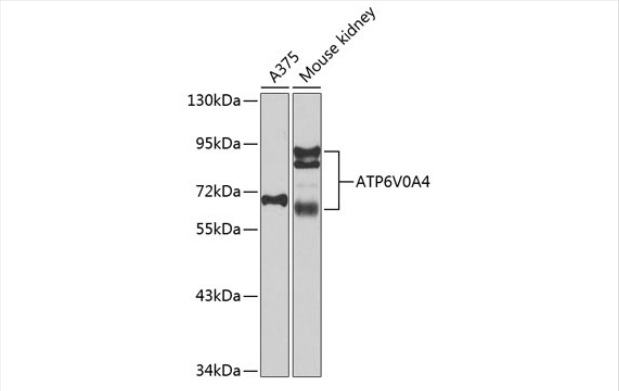
Description

Product Name	ATP6V0A4 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	The antibody was purified by immunogen affinity chromatography.
Applications	WB
Species Reactivity	Human,Mouse
Immunogen Description	Recombinant fusion protein of human ATP6V0A4. The exact sequence is proprietary.
Other Names	ATP6V0A4; A4; ATP6N1B; ATP6N2; RDRTA2; RTA1C; RTADR; STV1; VPH1; VPP2; ATPase H+ transporting V0 subunit a4
Accession No.	Swiss-Prot#:Q9HBG4NCBI Gene ID:50617
Uniprot	Q9HBG4
GeneID	50617;
Calculated MW	70-90kDa
Formulation	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20°C

Application Details

WB□1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using ATP6V0A4 at 1:1000 dilution.

Background

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. This gene is one of four genes in man and mouse that encode different isoforms of the a subunit. Alternatively spliced transcript variants encoding the same protein have been described. Mutations in this gene are associated with renal tubular acidosis associated with preserved hearing.

Note: This product is for in vitro research use only