

V-ATPase D Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09482
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from V-ATPase D . at AA range: 70-150
Mol wt	28263
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	V-ATPase D Antibody
Synonyms	ATP6V1D; ATP6M; VATD; V-type proton ATPase subunit D; V-ATPase subunit D; V-ATPase 28 kDa accessory protein; Vacuolar proton pump subunit D

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ATP6V1D (ATPase H⁺ transporting V1 subunit D) 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. ATP6V1D encodes the V1 domain D subunit protein.

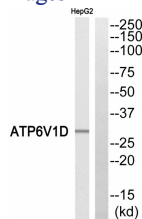
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 40000

Not yet tested in other applications.

Images



Western blot analysis of ATP6V1D Antibody. The lane on the right is blocked with the ATP6V1D peptide.

Storage

-20°C for one year