

V-ATPase D1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09483
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human V-ATPase D1. AA range:221-270
Mol wt	40329
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	V-ATPase D1 Antibody
Synonyms	ATP6V0D1; ATP6D; VPATPD; V-type proton ATPase subunit d 1; V-ATPase subunit d 1; 32 kDa accessory protein; V-ATPase 40 kDa accessory protein; V-ATPase AC39 subunit; p39; Vacuolar proton pump subunit d

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

Background

ATP6V0D1 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', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is known as the D subunit and is found ubiquitously.

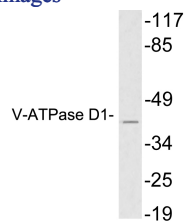
Recommended Dilution

WB: 1: 500 - 1: 2000

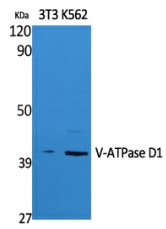
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of lysates from HeLa cells, using V-ATPase D1 antibody.



Western Blot analysis of extracts from NIH-3T3, K562 cells, using V-ATPase D1 Polyclonal Antibody.
Secondary antibody was diluted at 1:20000

Storage

-20°C for one year

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