ARG57323
anti-ATP6V1B2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ATP6V1B2
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ATP6V1B2
Species	Human
Immunogen	Recombinant Protein of Human ATP6V1B2.
Conjugation	Un-conjugated
Alternate Names	HO57; VPP3; V-ATPase subunit B 2; VATB; Vma2; V-type proton ATPase subunit B, brain isoform; Vacuolar proton pump subunit B 2; Endomembrane proton pump 58 kDa subunit; ATP6B1B2; ATP6B2

Application Instructions

Application table

Application	Dilution
WB	1:500-1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Rat brain

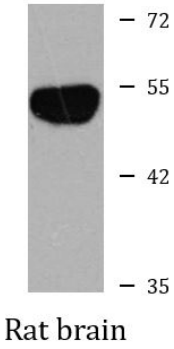
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ATP6V1B2
Gene Full Name	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2
Background	This gene 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, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by this gene is one of two V1 domain B subunit isoforms and is the only B isoform highly expressed in osteoclasts. [provided by RefSeq, Jul 2008]
Function	Non-catalytic subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. [UniProt]
Calculated Mw	57 kDa

Images



ARG57323 anti-ATP6V1B2 antibody WB image

Western blot: Rat brain lysate stained with ARG57323 anti-ATP6V1B2 antibody.