

Rabbit anti-Human ATP1B3 Polyclonal Antibody | anti-ATP1B3 antibody

ATP1B3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325175	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ATP1B3; Polyclonal Antibody; ATP1B3 Antibody; AT1B3_HUMAN; atp1b3; ATPase Na⁺/K⁺ transporting beta 3 polypeptide; ATPB 3; ATPB-3; ATPB3; CD 298; CD298; CD298 antigen; FLJ29027; Na K ATPase beta 3 polypeptide; Na⁺/K⁺ ATPase beta 3 subunit; NKAB3S; Sodium potassium ATPase subunit beta 3 (non catalytic); Sodium pump subunit beta 3; Sodium/potassium dependent ATPase beta 3 subunit; Sodium/potassium dependent ATPase subunit beta 3; Sodium/potassium transporting ATPase beta 3 chain; Sodium/potassium transporting ATPase subunit beta 3; Sodium/potassium-dependent ATPase subunit beta-3; Sodium/potassium-transporting ATPase subunit beta-3; anti-ATP1B3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	ATP1B3 antibody detects endogenous levels of total ATP1B3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	279
Applicable Applications for anti-ATP1B3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Sheep (91%), Rabbit (92%), Dog (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using ATP1B3 antibody.



IF (Immunofluorescence)

AAA325175 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP1B3 antibody	Function: This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na+ and K+ ions across the plasma membrane. The exact function of the beta-3 subunit is not known. Subunit Structure: The sodium/potassium-transporting ATPase is composed of a catalytic alpha subunit, an auxiliary non-catalytic beta subunit and an additional regulatory subunit. Similarity: The C-terminal lobe folds into an immunoglobulin-like domain and may mediate cell adhesion properties. Belongs to the X(+)/potassium ATPases subunit beta family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502281
NCBI GeneID	483
NCBI Accession #	NP_001670.1
NCBI GenBank Nucleotide #	NM_001679.3
UniProt Accession #	P54709; B7Z1N7
Molecular Weight	Observed: 31 kD Predicted: 32 kDa
NCBI Official Full Name	sodium/potassium-transporting ATPase subunit beta-3
NCBI Official Synonym Full Names	ATPase Na+/K+ transporting subunit beta 3
NCBI Official Symbol	ATP1B3
NCBI Official Synonym Symbols	CD298; ATPB-3
NCBI Protein Information	sodium/potassium-transporting ATPase subunit beta-3
UniProt Protein Name	Sodium/potassium-transporting ATPase subunit beta-3
UniProt Gene Name	ATP1B3
UniProt Synonym Gene Names	ATPB-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atp1b3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325175>