10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ATP1B3 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11160

Specification

ATP1B3 Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	P54709
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**32kDa KDa**

ATP1B3 Antibody (Internal) - Additional Information

Gene ID 483

Other Names
Sodium/potassium-transporting ATPase subunit beta-3, Sodium/potassium-dependent ATPase subunit beta-3, ATPB-3, CD298, ATP1B3

Target/Specificity
Human ATP1B3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
ATP1B3 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

ATP1B3 Antibody (Internal) - Protein Information

Name ATP1B3

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.

Cellular Location
Apical cell membrane {ECO:0000250|UniProtKB:Q63377}; Single-pass type II membrane protein. Basolateral cell membrane {ECO:0000250|UniProtKB:Q63377}; Single-pass type II membrane protein. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

Volume

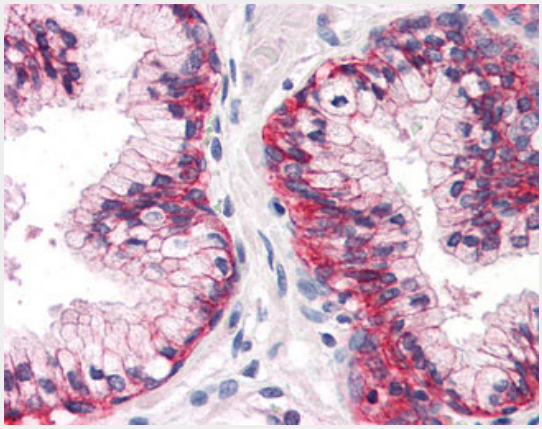
50 µl

ATP1B3 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ATP1B3 Antibody (Internal) - Images



Anti-ATP1B3 antibody ALS11160 IHC of human prostate.

ATP1B3 Antibody (Internal) - Background

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.

ATP1B3 Antibody (Internal) - References

Malik N.,et al.J. Biol. Chem. 271:22754-22758(1996).
Malik N.,et al.Mamm. Genome 9:136-143(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Zhang H.,et al.Nat. Biotechnol. 21:660-666(2003).