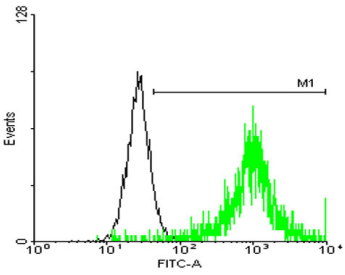
MaxPab®

ATP1B3 MaxPab mouse polyclonal antibody (B01)

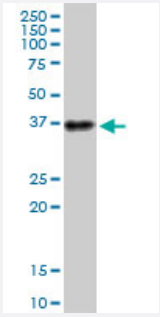
Catalog # H00000483-B01 Size 50 uL

Applications



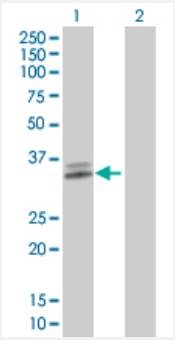
Flow Cytometry

FACS analysis of negative control 293 cells (Black) and ATP1B3 expressing 293 cells (Green) using ATP1B3 purified MaxPab mouse polyclonal antibody.



Western Blot (Cell lysate)

ATP1B3 MaxPab polyclonal antibody. Western Blot analysis of ATP1B3 expression in A-431.



Western Blot (Transfected lysate)

Western Blot analysis of ATP1B3 expression in transfected 293T cell line (H00000483-T01) by ATP1B3 MaxPab polyclonal antibody.

Lane 1: ATP1B3 transfected lysate(30.69 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP1B3 protein.

Immunogen	ATP1B3 (NP_001670, 1 a.a. ~ 279 a.a) full-length human protein.
Sequence	MTKNEKKSLNQSLAEWKLFIYNPTTGEFLGRTAKSWGLILLFYLVFYGFLAALFSFTMWVMLQTLN DEVPKYRDQIPSPGLMVFPKPVTALEYTFSRSDPTSYAGYIEDLKKFLKPYTLEEQKNLTVCPDGA LFEQKGPVYVACQFPISLLQACSGMNDPDFGYSQGNPCILVKMNRIIGLKPEGVPRIDCVSKNEDI PNVAVYPHNGMIDLKYFPYYGKKLHVGYLQPLVAVQVSFAPNNTGKEVTVECKIDGSANLKSQDD RDKFLGRVMFKITARA
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Flow Cytometry

  FACS analysis of negative control 293 cells (Black) and ATP1B3 expressing 293 cells (Green) using ATP1B3 purified MaxPab mouse polyclonal antibody.

- Western Blot (Cell lysate)

  ATP1B3 MaxPab polyclonal antibody. Western Blot analysis of ATP1B3 expression in A-431.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of ATP1B3 expression in transfected 293T cell line (H00000483-T01) by ATP1B3 MaxPab polyclonal antibody.

  Lane 1: ATP1B3 transfected lysate(30.69 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

Gene Info — ATP1B3

Entrez GeneID	483
GeneBank Accession#	NM_001679

Protein Accession#	NP_001670
Gene Name	ATP1B3
Gene Alias	ATPB-3, CD298, FLJ29027
Gene Description	ATPase, Na+/K+ transporting, beta 3 polypeptide
Omim ID	601867
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the family of Na+/K+ and H+/K+ ATPases beta chai n proteins, and to the subfamily of Na+/K+ -ATPases. Na+/K+ -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K io ns across the plasma membrane. These gradients are essential for osmoregulation, for sodium-c oupled transport of a variety of organic and inorganic molecules, and for electrical excitability of n erve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The beta subunit regulates, through assembly of alpha/beta heterodimers, the number of sodium pumps transported to the plasma membrane. The glycoprote in subunit of Na+/K+ -ATPase is encoded by multiple genes. This gene encodes a beta 3 subunit. This gene encodes a beta 3 subunit. A pseudogene exists for this gene, and it is located on chro mosome 2. [provided by RefSeq
Other Designations	Na+/K+ -ATPase beta 3 subunit|Na, K-ATPase beta-3 polypeptide|sodium/potassium-dependent ATPase beta-3 subunit|sodium/potassium-transporting ATPase beta-3 chain

Publication Reference

- Retinoschisin is linked to retinal Na/K-ATPase signaling and localization.

  Plössl K, Royer M, Bernklau S, Tavraz NN, Friedrich T, Wild J, Weber BHF, Friedrich U.

  Molecular Biology of the Cell 2017 Jun; 28(16):2178.

  Application: Flow Cyt, WB-Tr, Human, HEK 293 cells

Pathway

- Cardiac muscle contraction