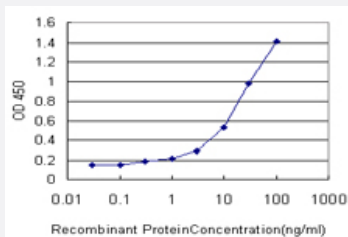


ATP1B3 monoclonal antibody (M05), clone 2F4

Catalog # H00000483-M05

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP1B3 is approximately 0.03ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant ATP1B3.
Immunogen	ATP1B3 (AAH11835, 1 a.a. ~ 279 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTKNEKKSLNQSLAEWKLFYINPTTGEFLGRTAKSWGLILLFYLVFYGFLLAALFSFTMWVMLQTLN DEVPKYRDQIPSPGLMVFPKPVTALEYTFSRSDPTSYAGYIEDLKKFLKPYTLEEQKNLTVCPDGA LFEQKGPVYVACQFPISLLQACSGMNDPDPFGYSQGNPCILVKMNRIGLKPEGVPRIDCVSKNEDI PNVAVYPHNGMIDLKYFPYGGKKLHVGYLQPLVAVQVSFAPNNTGKEVTVECKIDGSANLKSQDD RDKFLGRVMFKITARA
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP1B3 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ATP1B3

Entrez GeneID [483](#)

GeneBank Accession# [BC011835](#)

Protein Accession# [AAH11835](#)

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 chain 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 ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve 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 glycoprotein 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 chromosome 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

- [The importance of adequate fixation for immunofluorescent staining of bovine embryos.](#)

Goossens K, Vandaele L, Wydooghe E, Thys M, Dewulf J, Peelman Lj, Van Soom A.

Reprod Domest Anim 2011 Mar; 46:1098.

Application: IF, Bovine, Blastocysts

Pathway

- [Cardiac muscle contraction](#)