



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

ATP1B3 monoclonal antibody (M05), clone 2F4

Catalog # : H00000483-M05

規格 : [100 ug]

[List All](#)

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: MTKNEKSLNQLAEWKLFIYNPTTGEFLGRATAKSWGLILLFYLVFYGFLLAALFSFTMWVMLQTLNDEVPKYRDQIPSPGLMVFVKPVTALEYTFSRSDPTSYAGYIEDLKKFLKPYTLEEKQLTVCPDGFALFEQKGPVYVACQFPISLLQACSGMNDPDFGYSQGNPCILVKMNRIGLKPEGVPRIDCVSKNEDIPNVAVYPHNGMIDLKYPYGGKLVHGYLQPLVAVQVSFAPNNTGKEVTVECKIDGSANLKSQDDRDKFLGRVMFKITARA

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.

MSDS: [Download](#)

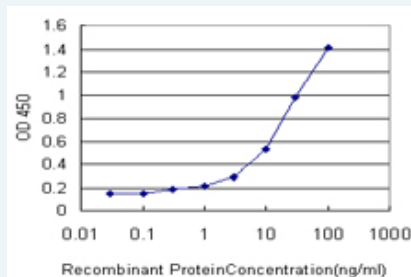
Datasheet: [Download](#)

Publication Reference

1. 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 Dec;46(6):1098-103. doi: 10.1111/j.1439-0531.2011.01770.x. Epub 2011 Mar 3.

Applications

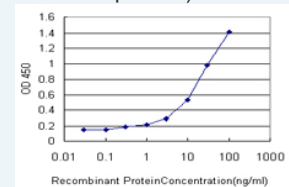
Sandwich ELISA (Recombinant protein)



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

Application Image

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA

ELISA

Gene Information

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

Gene Pathway

[Cardiac muscle contraction](#)