



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### ATP1B3 MaxPab rabbit polyclonal antibody (D01)

**Catalog Number:** H00000483-D01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against a full-length human ATP1B3 protein.

**Immunogen:** ATP1B3 (NP\_001670.1, 1 a.a. ~ 279 a.a) full-length human protein.

**Sequence:**

MTKNEKKSLSLQSLAEWKLFYINPTTGEFLGRTAKSWG  
LILFYLVFYGFLLAALFSFTMWVMLQTLNDEVPKYRDQI  
PSPGLMVFVKPVTALEYTFRSRDPTSYAGYIEDLKKFL  
KPYTLEEQKNLTVCPDGFALFEQKGPVYVACQFPISLLQ  
ACSGMNDPDFGYSQGNPCILVKMNRRIIGLKPEGVPRID  
CVSKNEDIPNVAVYPHNGMIDLKYPYGGKKLHVGYL  
QPLVAVQVSFAPNNTGKEVTVECKIDGSANLKSQDDR  
DKFLGRVMFKITARA

**Host:** Rabbit

**Reactivity:** Human, Rat

**Applications:** IP, WB-Ce, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** No additive

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 483

**Gene Symbol:** ATP1B3

**Gene Alias:** ATPB-3, CD298, FLJ29027

**Gene Summary:** The protein encoded by this gene belongs to the family of Na<sup>+</sup>/K<sup>+</sup> and H<sup>+</sup>/K<sup>+</sup> ATPases beta chain proteins, and to the subfamily of Na<sup>+</sup>/K<sup>+</sup>-ATPases. Na<sup>+</sup>/K<sup>+</sup>-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<sup>+</sup>/K<sup>+</sup>-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]

**References:**

1. A CASPR1-ATP1B3 protein interaction modulates plasma membrane localization of Na<sup>+</sup>/K<sup>+</sup>-ATPase in brain microvascular endothelial cells. Zhang SH, Liu DX, Wang L, Li YH, Wang YH, Zhang H, Su ZK, Fang WG, Qin XX, Shang DS, Li B, Han XN, Zhao WD, Chen YH. J Biol Chem. 2019 Apr 19;294(16):6375-6386. doi: 10.1074/jbc.RA118.006263. Epub 2019 Feb 21.