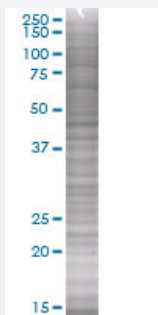


ATP1B3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000483-T01

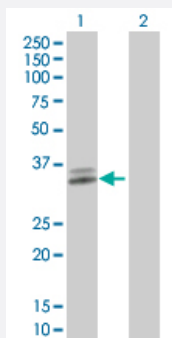
Size 100 uL

Applications



SDS-PAGE Gel

ATP1B3 transfected lysate



Western Blot

Lane 1: ATP1B3 transfected lysate (31.5 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ATP1B3 full-length
Host	Human
Theoretical MW (kDa)	31.5
Quality Control Testing	<p>Transient overexpression cell lysate was tested with Anti-ATP1B3 antibody (H00000483-B01) by Western Blots.</p> <p>SDS-PAGE Gel</p> <p>ATP1B3 transfected lysate</p> <p>Western Blot</p> <p>Lane 1: ATP1B3 transfected lysate (31.5 KDa).</p> <p>Lane 2: Non-transfected lysate.</p>

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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	<p>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 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 chromosome 2. [provided by RefSeq]</p>
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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
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Pathway

- [Cardiac muscle contraction](#)