

ATP1B2 Blocking Peptide(C-term)

Synthetic peptide Catalog # BP19733b

Specification

ATP1B2 Blocking Peptide(C-term) - Product Information

Primary Accession P14415

Other Accession P13638, Q8WMG3,

P14231, Q28030, NP 001669.3

<u>111_001003.3</u>

ATP1B2 Blocking Peptide(C-term) - Additional Information

Gene ID 482

Other Names

Sodium/potassium-transporting ATPase subunit beta-2, Adhesion molecule in glia, AMOG, Sodium/potassium-dependent ATPase subunit beta-2, ATP1B2

Target/Specificity

The synthetic peptide sequence is selected from aa 262-276 of HUMAN ATP1B2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ATP1B2 Blocking Peptide(C-term) - Protein Information

Name ATP1B2

Function

This is the non-catalytic component of the

ATP1B2 Blocking Peptide(C-term) - Background

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

odium-coupied

transport of a variety of organic and inorganic molecules, and for

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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

access to a second to the

pumps transported to the plasma membrane.

The glycoprotein subunit

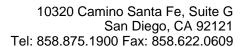
of Na+/K+ -ATPase is encoded by multiple

genes. This gene encodes a

beta 2 subunit.

ATP1B2 Blocking Peptide(C-term) - References

Floyd, R.V., et al. Reprod Sci 17(4):366-376(2010) Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010) Boer, K., et al. Brain Pathol. 20(1):234-244(2010) Tokhtaeva, E., et al. Biochemistry 48(48):11421-11431(2009) Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009)





active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The exact function of the beta-2 subunit is not known.

Cellular LocationCell membrane; Single-pass type II membrane protein

ATP1B2 Blocking Peptide(C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides