

Product datasheet for TA372008

ATP1B2 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies Applications: IHC, WB Recommended Dilution: WB: 500-2000 WB positive control: Human cerebella tissue lysate IHC: 50-100 Positive control: Human tonsil Predicted cell location: Cell membrane **Reactivity:** Human, Mouse, Rat Host: Rabbit Isotype: lgG **Clonality:** Polyclonal Immunogen: Synthetic peptide of human ATP1B2 pH7.4 PBS, 0.05% NaN3, 40% Glycerol Formulation: Concentration: lot specific Antigen affinity purification **Purification: Conjugation:** Unconjugated Storage: Store at -20°C. Stability: 1 year **Predicted Protein Size:** 33 kDa Gene Name: ATPase Na+/K+ transporting subunit beta 2 Database Link: Entrez Gene 482 Human P14415

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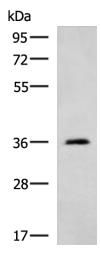
GRIGENE ATP1B2 Rabbit Polyclonal Antibody – TA372008

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 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 2 subunit. Two transcript variants
encoding different isoforms have been found for this gene.

Synonyms:

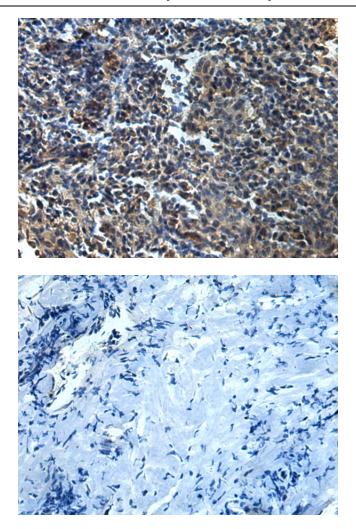
AMOG

Product images:



Gel: 8%SDS-PAGE Lysate: 40 µg Lane: Human cerebella tissue lysate Primary antibody: TA372008 (ATP1B2 Antibody) at dilution 1/650 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution Exposure time: 5 minutes

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Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA372008 (ATP1B2 Antibody) at dilution 1/25 (Original magnification: ×200)

Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA372008 (ATP1B2 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: ×200)

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