ANGIO-PROTEOMIE
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DATA SHEET

Goat anti-ATP1B1 Antibody

Item Number

dAP-2152

Target Molecule

Principle Name: ATP1B1; Official Symbol: ATP1B1; All Names and Symbols: ATP1B1; ATPase, Na+/K+ transporting, beta 1 polypeptide; ATP1B; MGC1798; Beta 1-subunit of Na(+),K(+)-ATPase; Na+/K+ -ATPase beta 1 subunit; Na, K-ATPase beta-1 polypeptide; Na,K-ATPase beta 1 subunit; OTTHUMP00000032537; OTTHUMP00000032538; adenosinetrip; Accession Number (s): NP_001668.1; NP_001001787.1; Human Gene ID(s): 481; Non-Human GeneID(s):

Immunogen

KTEISFRPNDPKSYE, is from internal region
This antibody is expected to recognize both reported isoforms (NP_001668.1; NP_001001787.1).

Applications

Pep ELISA, WB

Species Tested: Mouse, Rat

Purification

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied As

lyophilized powder of 50ug or 100ug IgG; Reconsititute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Peptide ELISA

Peptide ELISA: antibody detection limit dilution 1 to 128000.

Western Blot

Western Blot: Approx 48kDa band observed in Rat Retina lysates and 50kDa in Mouse and Rat Kidney lysates (calculated MW of 35.1kDa according to Human NP_001668.1, 35.2kDa according to Mouse NP_033851.1 and Rat NP_037245.2).The observed molecular weight

IHC

Reference

Reference(s): Ushkaryov YuA, Monastyrskaya GS, Broude NE, Nikiforova NN, Bessarab DA, Orlova MYu, Petrukhin KE, Modyanov NN, Sverdlov ED Human Na+,K+-ATPase genes. Beta-subunit gene family contains at least one gene and one pseudogene FEBS Lett. 1989 Nov 257 (2): 439-42.PMID: 2555225->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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