

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB09640 - Goat Anti-ATP1B1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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, adenosinetriphosphatase, sodium/potassium-dependent ATPase beta-1 subunit, sodium/potassium-transporting ATPase beta-1 chain

Official Symbol: ATP1B1

Accession Number(s): NP_001668.1; NP_001001787.1

Human GenelD(s): 481

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_001668.1; NP_001001787.1).

Immunogen

Peptide with sequence C-KTEISFRPNDPKSYE, from the internal region of the protein sequence according to NP_001668.1; NP_001001787.1.

Please note the peptide is available for sale.

Purification and Storage

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

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

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 corresponds to the glycosylated form (PMID: 20130120). Recommended concentration: 0.1-0.3µg/ml.

IHC: Paraffin embedded Human Small Intestine. Recommended concentration: 5µg/ml.

Species Reactivity

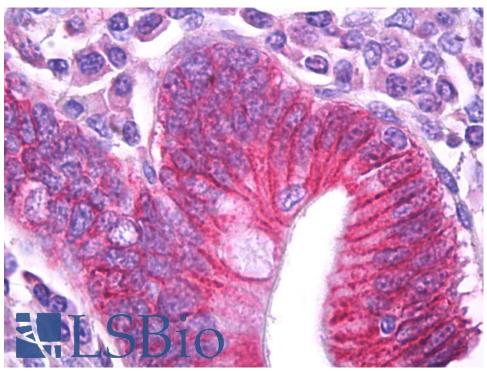
Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow, Pig

250kDa 150kDa 150kDa 75kDa 50kDa 37kDa 25kDa

15kDa

EB09640 (0.1 μ g/ml) staining of Rat Retina lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB09640 (5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.