

Goat anti-SLC4A11 / BTR1 Antibody

Item Number	dAP-1965
Target Molecule	Principle Name: SLC4A11 / BTR1; Official Symbol: SLC4A11; All Names and Symbols: SLC4A11; solute carrier family 4, sodium borate transporter, member 11; BTR1; CDPD; CDPD1; CHED2; MGC126418; MGC126419; NABC1; dJ794I6.2; OTTHUMP0000030097; bicarbonate transporter related protein 1; sodium-coupled borate cotransporter 1; solute carrier ; Accession Number (s): NP_114423.1; Human Gene ID (s): 83959; Non-Human GenelD(s): 269356 (mouse) 311423 (rat)
Immunogen	HTSRKYLKLKNFKEE, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human
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; Reconstitute 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 32000.
Western Blot	Western Blot: Approx 90kDa band observed in Human Kidney lysates (calculated MW of 99.6kDa according to NP_114423.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed.
IHC	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Hemadevi B, Veitia RA, Srinivasan M, Arunkumar J, Prajna NV, Lesaffre C, Sundaresan P. Identification of mutations in the SLC4A11 gene in patients with recessive congenital hereditary endothelial dystrophy. Archives of ophthalmology 2008 May 126 (5): 700-8.. PMID: 18474783->

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 end users! This product is sold for **Research Use Only**