



Goat anti-NHERF2 (isoform a) Antibody

Item Number	dAP-0719
Target Molecule	Principle Name: NHERF2 (isoform a); Official Symbol: SLC9A3R2; All Names and Symbols: SLC9A3R2; solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 2; HGNC:11076; E3KARP; NHE3RF2; NHERF-2; NHERF2; OCTS2; SIP-1; SIP1; TKA-1; sodium/hydrogen exchanger; solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regula; Accession Number (s): NP_001123484.1; Human Gene ID(s): 9351; Non-Human GeneID(s):
Immunogen	DGSAWKQDPFQ, is from internal region Please note that this variant has an extra insertion of 11 residues compared to NP_004776.3. The immunizing peptide represents this insertion.
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 38kDa band observed in human kidney lysates (calculated MW of 37.4kDa according to BAA33216.1). Recommended concentration: 0.3-1µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows strong membranous staining in glomerulus-. Recommended concentration, 1-2µg/ml.
Reference	Reference(s): Cha B, Kim JH, Hut H, Hogema BM, Nadarja J, Zizak M, Cavet M, Lee-Kwon W, Lohmann SM, Smolenski A, Tse CM, Yun C, de Jonge HR, Donowitz M. cGMP inhibition of Na ⁺ /H ⁺ antiporter 3 (NHE3) requires PDZ domain adapter NHERF2, a broad specificity protein kinase G-anchoring protein. J

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**