

Goat anti-NPR3 (aa520-533) Antibody

Item Number	dAP-2498
Target Molecule	Principle Name: NPR3 (aa520-533); Official Symbol: NPR3; All Names and Symbols: NPR3; natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C); ANPRC; GUCY2B; NPRC; ANP-C; ANPR-C; NPR-C; OTTHUMP00000197048; OTTHUMP00000220980; atrial natriuretic peptide clearance receptor; atrial natriuretic peptide re; Accession Number (s): NP_000899.1; Human Gene ID(s): 4883; Non-Human GeneID(s): 18162 (mouse) 25339 (rat)
Immunogen	HRELREDSIRSHFS, is from C Terminus The immunizing peptide represents the cytoplasmic part of the protein.
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 16000.
Western Blot	Western Blot: Approx 52kDa band observed in Human Placenta lysates (calculated MW of 59.8kDa according to NP_000899.1). Recommended concentration: 1-3µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows staining of brush borders in select PCT. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Prostate. Recommended concentration: 10µg/ml.
Reference	Reference(s): Shibasaki I, Nishikimi T, Mochizuki Y, Yamada Y, Yoshitatsu M, Inoue Y, Kuwata T, Ogawa H, Tsuchiya G, Ishimitsu T, Fukuda H. Greater expression of inflammatory cytokines, adrenomedullin, and natriuretic peptide receptor-C in epicardial adipose tissue in coronary artery disease. Regul Pept. 2010 Dec

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**