

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.

EB11190 - Goat Anti-NPR3 (aa520-533) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ANP-C, ANPRC, ANPR-C, atrial natriuretic peptide clearance receptor, atrial natriuretic peptide receptor 3, atrial natriuretic peptide receptor type C, GUCY2B, natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C),

NPRC, NPR-C, OTTHUMP00000197048, OTTHUMP00000220980, NPR3

Official Symbol: NPR3

Accession Number(s): NP_000899.1

Human GeneID(s): 4883

Non-Human GenelD(s): 18162 (mouse), 25339 (rat)

Important Comments: The immunizing peptide represents the cytoplasmic part of the

protein.

Immunogen

Peptide with sequence C-HRELREDSIRSHFS, from the C Terminus of the protein sequence according to NP_000899.1.

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 1:16000.

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: In paraffin embedded Human Kidney shows staining of brush borders in select PCT.

Recommended concentration: 2-4µg/ml. Paraffin embedded Human Prostate.

Recommended concentration: $10\mu g/ml$.

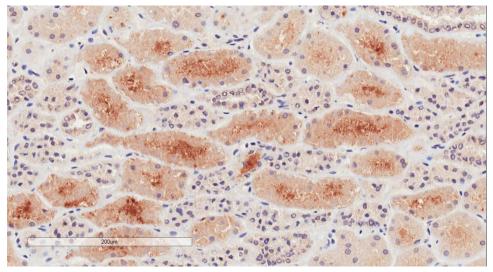
Species Reactivity

Tested: Human

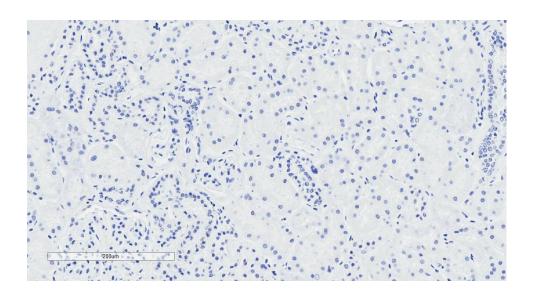
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

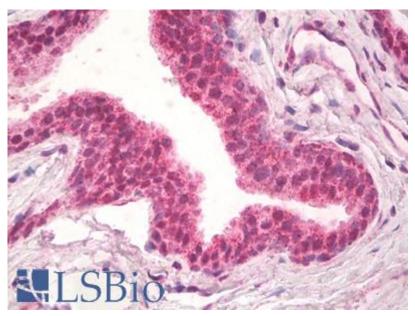
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa

EB11190 (1μg/ml) staining of Human Placenta lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB11190 (2µg/ml) staining of paraffin embedded Human Kidney. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.





EB11190 (10 μ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.