

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.

EB09686 - Goat Anti-Neurogranin precursor Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: NRGN, neurogranin (protein kinase C substrate, RC3), RC3, hng,

calmodulin-binding protein, neurogranin, protein kinase C substrate

Official Symbol: NRGN

Accession Number(s): NP_006167.1

Human GenelD(s): 4900

Non-Human GeneID(s): 647011 (mouse)

Important Comments: Reported variants represent identical protein: NP_006167.1,

NP_001119653.1

Immunogen

Peptide with sequence C-KIKSGERGRKG, from the internal region of the protein sequence according to NP_006167.1.

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 1:8000.

Western blot: Approx 16kDa band observed in Human Brain (Frontal Cortex) lysate (calculated MW of 7.6kDa according to NP_006167.1). The observed molecular weights correspond to earlier findings in literature with different antibodies (Li et al, J Biol Chem. 1999 Jan 15;274(3):1294-300; PMID: 9880498). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse Brain for this particular batch.

IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.

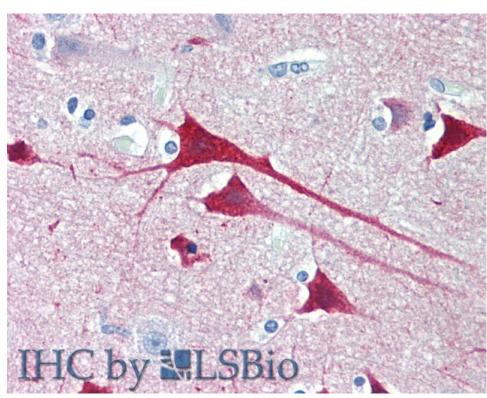
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rar, Dog, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB09686 (0.1μg/ml) staining of Human Brain (Frontal Cortex) lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB09686 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.