



## UK Office

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**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 GeneID(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.

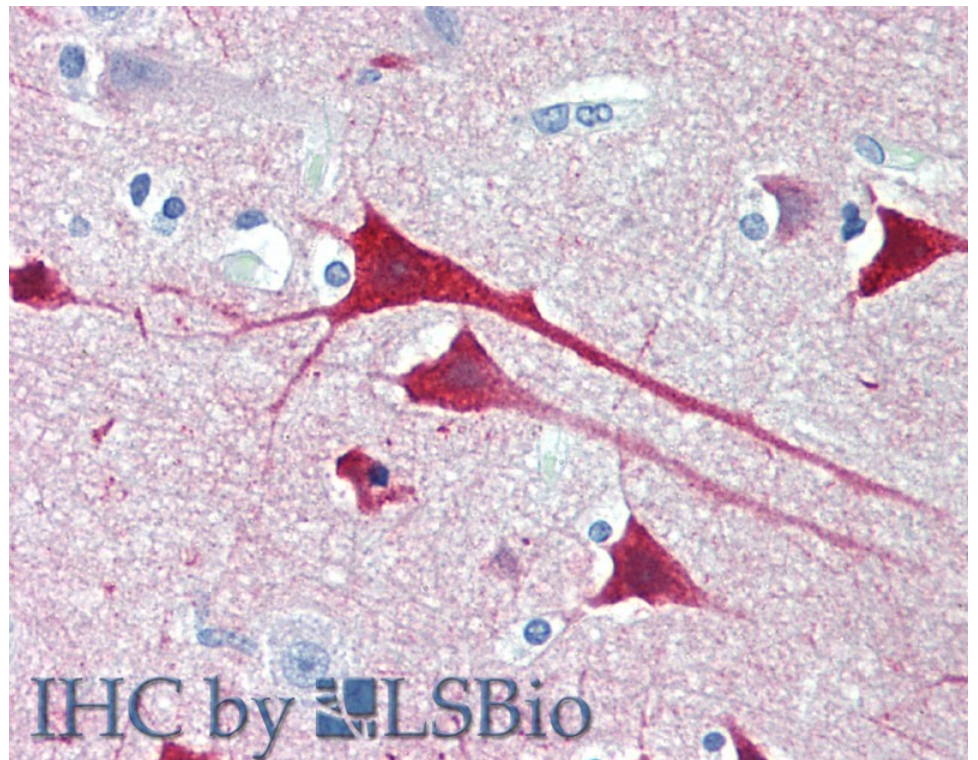
### Species Reactivity

**Tested:** Human

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



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



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