#### bs-11435R

## [ Primary Antibody ]

# Bioss ANTIBODIES

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## Neurogranin Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID:** 4900 **SWISS:** Q92686

Target: Neurogranin

**Immunogen:** KLH conjugated synthetic peptide derived from human

NG/Neurogranin: 30-78/78.

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**Background:** Neurogranin (NRGN) is the human homolog of the neuron-specific

rat RC3/neurogranin gene. This gene encodes a postsynaptic protein kinase substrate that binds calmodulin in the absence of calcium. The NRGN gene contains four exons and three introns. The exons 1 and 2 encode the protein and exons 3 and 4 contain untranslated sequences. It is suggested that the NRGN is a direct target for thyroid hormone in human brain, and that control of expression of this gene could underlay many of the consequences of hypothyroidism on mental states during development as well as

in adult subjects. [provided by RefSeq, Jul 2008].

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) IF (1:100-500)

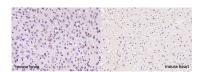
Reactivity: Mouse, Rat

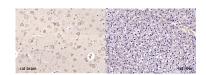
(predicted: Human, Rabbit, Pig, Cow, Dog, Horse)

Predicted MANN . 7.6 kDa

**Subcellular** Cytoplasm

### VALIDATION IMAGES





Positive sample: Paraformaldehyde-fixed, paraffin embedded (mouse brain); Negative sample: Paraformaldehyde-fixed, paraffin embedded (mouse heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurogranin) Polyclonal Antibody, Unconjugated (bs-11435R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Positive sample: Paraformaldehyde-fixed, paraffin embedded (rat brian); Negative sample: Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurogranin) Polyclonal Antibody, Unconjugated (bs-11435R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.