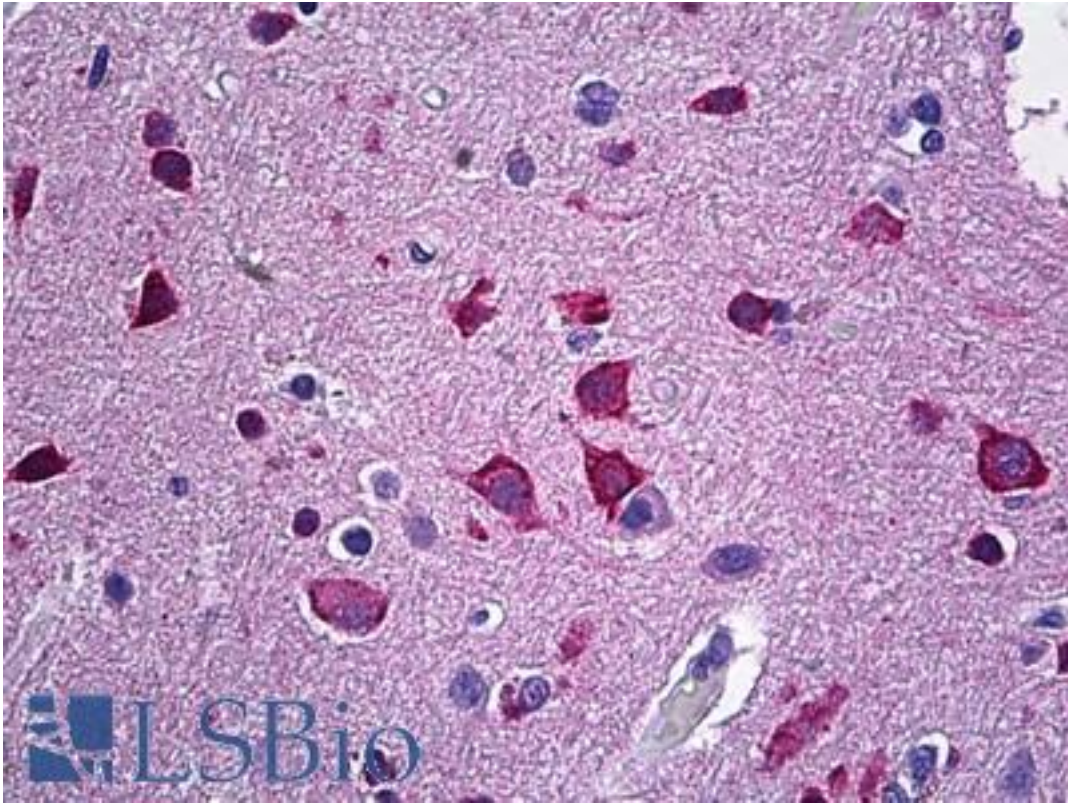


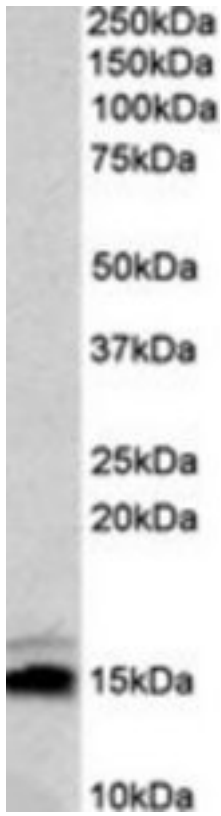
NRGN / Neurogranin Goat anti-Human Polyclonal (Internal) Antibody - LS-B5919 - LSBio	
<b>CatalogID:</b>	LS-B5919
<b>Validation:</b>	This antibody replaces catalog number LS-C112894. It has been validated for use in the following assays: IHC-P.
<b>Target:</b>	neurogranin (protein kinase C substrate, RC3) (NRGN)
<b>Synonyms:</b>	NRGN Antibody, Hng Antibody, Neurogranin Antibody, Ng Antibody, Protein kinase C substrate Antibody, RC3 Antibody, Calmodulin-binding protein Antibody
<b>Host</b>	NRGN antibody was produced in Goat
<b>Clonality:</b>	Polyclonal
<b>Immunogen Species:</b>	NRGN / Neurogranin antibody was raised against Human
<b>Antigen Type:</b>	Synthetic peptide
<b>Immunogen:</b>	NRGN / Neurogranin antibody was raised against synthetic peptide C-KIKSGERGRKG from an internal region of human NRGN / Neurogranin (NP_006167.1). Percent identity by BLAST analysis: Human, Gibbon, Monkey, Goat, Panda, Dog, Bovine, Horse, Rabbit, Pig, Opossum (100%); Marmoset, Mouse, Rat, Hamster, Elephant (91%); Arabidopsis (82%).
<b>Specificity:</b>	Human NRGN / Neurogranin. Reported variants represent identical protein: NP_006167.1, NP_001119653.1
<b>Epitope:</b>	Internal
<b>Reactivity:</b>	Human, Gibbon, Mouse, Bovine, Dog, Goat, Horse, Pig, Rabbit
<b>Predicted Reactivity:</b>	Monkey, Rat, Hamster
<b>Purification:</b>	Immunoaffinity purified
<b>Presentation:</b>	PBS, 30% glycerol, 0.5% BSA, 0.01% Thimerosal.
<b>Recommended Storage:</b>	Long term: -70°C; Short term: -20°C; Avoid freeze-thaw cycles.
<b>Usage Summary:</b>	Peptide ELISA: antibody detection limit dilution 1:8000. Western blot: Approx 15kDa band observed in Human Brain (Cerebral Cortex and Hippocampus), and in Mouse Brain and Rat Brain lysates (calculated MW of 7.6kDa according to NP_006167.1). There is also an additional 16kDa band. 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: 0.1-0.3 ug/ml.
<b>Uses:</b>	IHC - Paraffin (3.75 µg/ml), Western blot (0.1 - 0.3 µg/ml), ELISA (1:8000) (Optimal dilution to be determined by the researcher)
<b>Size:</b>	50 µg
<b>Concentration:</b>	0.5 mg/ml

**Immunohistochemistry Image:**



Anti-NRGN / Neurogranin antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B5919 concentration 3.75 ug/ml.

**Western Blot Image:**



NRGN antibody (0.1 ug/ml) staining of Mouse Brain lysate (35 ug protein/ml in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

**Requested From:**

Japan

Laboratory Reagent For In Vitro Research Use Only

Not for resale without prior written consent from LifeSpan BioSciences, Inc.

Created on 9/24/2014

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