



## Rabbit Anti-NRG3 antibody

SL6235R

<b>Product Name:</b>	NRG3
<b>Chinese Name:</b>	神经调节蛋白3抗体
<b>Alias:</b>	HRG3; Neuregulin 3; Neuregulin 3 like polypeptide; Neuregulin-3; Neuregulin3; NRG-3; Nrg3; NRG3_HUMAN; pro NRG3; Pro-NRG3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	78kDa
<b>Cellular localization:</b>	The cell membraneSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human NRG3:351-450/720
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Direct ligand for the ERBB4 tyrosine kinase receptor. Binding results in ligand-stimulated tyrosine phosphorylation and activation of the receptor. Does not bind to the EGF receptor, ERBB2 or ERBB3 receptors. May be a survival factor for oligodendrocytes.  <b>Function:</b>

Direct ligand for the ERBB4 tyrosine kinase receptor. Binding results in ligand-stimulated tyrosine phosphorylation and activation of the receptor. Does not bind to the EGF receptor, ERBB2 or ERBB3 receptors. May be a survival factor for oligodendrocytes.

**Subunit:**

Interacts with ERBB4.

**Subcellular Location:**

Pro-neuregulin-3, membrane-bound isoform: Cell membrane; Single-pass type I membrane protein. Neuregulin-3: Secreted. Isoform 3: Cell membrane; Single-pass type I membrane protein.

**Tissue Specificity:**

Highly expressed in most regions of the brain with the exception of corpus callosum. Expressed at lower level in testis. Not detected in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, ovary, small intestine, colon and peripheral blood leukocytes.

**Post-translational modifications:**

Proteolytic cleavage close to the plasma membrane on the external face leads to the release of the soluble growth factor form.

Extensive glycosylation precedes the proteolytic cleavage (By similarity). Isoform 3 is glycosylated.

**Similarity:**

Belongs to the neuregulin family.

Contains 1 EGF-like domain.

**SWISS:**

P56975

**Gene ID:**

10718

**Database links:**

[Entrez Gene: 10718](#)Human

[Entrez Gene: 18183](#)Mouse

[Entrez Gene: 498596](#)Rat

[Oimim: 605533](#)Human

[SwissProt: P56975](#)Human

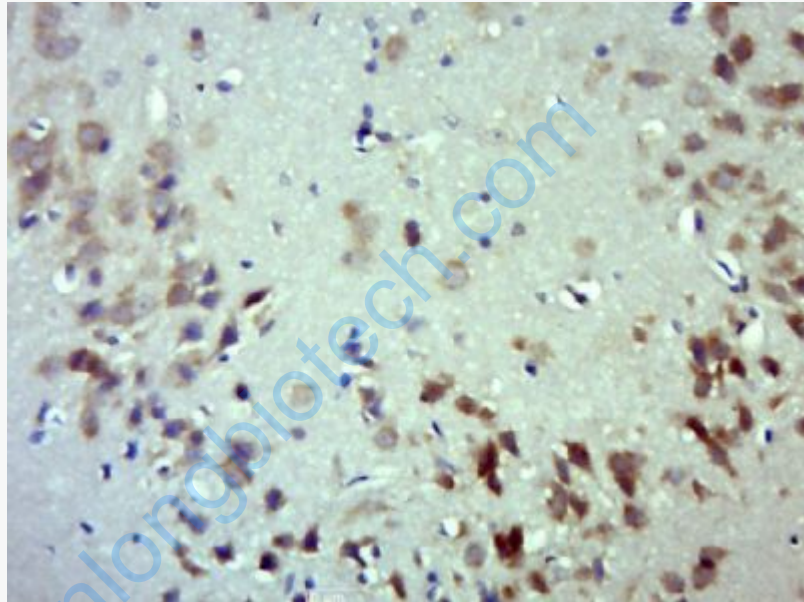
[SwissProt: O35181](#)Mouse

[Unigene: 125119](#)Human

[Unigene: 258705](#)Mouse

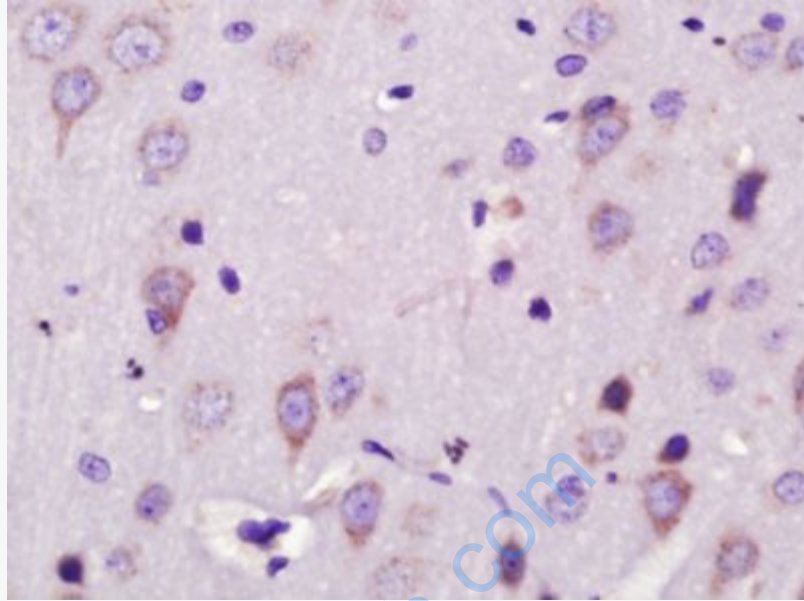
**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (NRG3) Polyclonal Antibody, Unconjugated (SL6235R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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