



Rabbit Anti-NRG4 antibody

SL19348R

Product Name:	NRG4
Chinese Name:	神经调节蛋白4抗体
Alias:	DKFZp779N0541; DKFZp779N1944; Heregulin 4; HRG4; Neuregulin 4; Neuregulin-4; NRG-4; NRG4; NRG4_HUMAN; pro-neuregulin-4, membrane-bound isoform; Pro-NRG4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	13kDa
Cellular localization:	The cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NRG4:1-100/115<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	The neuregulins, including NRG4, activate type-1 growth factor receptors (see EGFR; MIM 131550) to initiating cell-to-cell signaling through tyrosine phosphorylation (Harari et al., 1999 [PubMed 10348342]).[supplied by OMIM, Mar 2008]

Function:

Low affinity ligand for the ERBB4 tyrosine kinase receptor. Concomitantly recruits ERBB1 and ERBB2 coreceptors, resulting in ligand-stimulated tyrosine phosphorylation and activation of the ERBB receptors. Does not bind to the ERBB1, ERBB2 and ERBB3 receptors.

Subcellular Location:

Secreted and Cell membrane. Does not seem to be active.

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.

Similarity:

Belongs to the neuregulin family.

Contains 1 EGF-like domain.

SWISS:

Q8WWG1

Gene ID:

145957

Database links:

[Entrez Gene: 145957](#) Human

[Entrez Gene: 83961](#) Mouse

[Entrez Gene: 690919](#) Rat

[Omim: 610894](#) Human

[SwissProt: Q8WWG1](#) Human

[SwissProt: Q9WTX4](#) Mouse

[Unigene: 732438](#) Human

[Unigene: 443874](#) Mouse

[Unigene: 120491](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
--	---

www.sunlongbiotech.com