

NRG3 Rabbit pAb

Catalog # AP99185

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P56975
Other Accession	P56975
Reactivity	Rat
Predicted	Pig, Human, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77901
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NRG3
Epitope Specificity	351-450/720
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the neuregulin family.Contains 1 EGF-like domain.
SUBUNIT	Interacts with ERBB4.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	10718
Other Names	HRG3; pro-NRG3; ska; RGD1559678; NRG3_HUMAN; NRG3; NRG3_MOUSE; neuregulin 3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	NRG3
Function	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.
Cellular Location	[Pro-neuregulin-3, membrane-bound isoform]: Cell membrane; Single-pass type I membrane protein. Note=Does not seem to be active. [Isoform 3]: Cell membrane; Single-pass type I membrane protein. Note=Isoform 3 is also proteolytically released as a soluble form
Tissue Location	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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.