

Rabbit NRG3 Polyclonal Antibody | anti-NRG3 antibody

NRG3 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288645	Rabbit	Human (Predicted Reactivity: Mouse)	Western Blot, Immunohistochemistry, ELISA

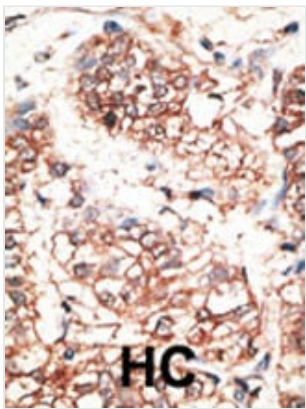
PRODUCT SYNONYMS

NRG3; Polyclonal Antibody; NRG3 Antibody (Center); Pro-neuregulin-3; membrane-bound isoform; Pro-NRG3; Neuregulin-3; NRG-3; anti-NRG3 antibody

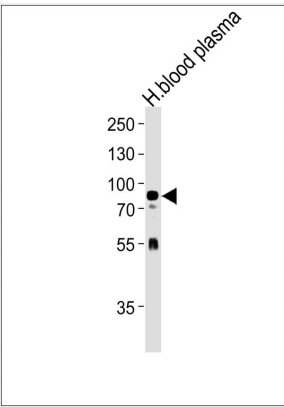
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NRG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-336 amino acids from the Central region of human NRG3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.5 (varies by lot)
Sequence Positions	305-336
Sequence Length	696
Applicable Applications for anti-NRG3 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
NRG3 Antibody (Center) western blot analysis in human blood plasma tissue lysates (35ug/lane).This demonstrates the NRG3 antibody detected the NRG3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-NRG3 antibody	NRG3, which belongs to the neuregulin family, is a direct ligand for the ERBB4 tyrosine kinase receptor. Binding results in ligand-stimulated tyrosine phosphorylation and activation of the receptor. NRG3 does not bind to the EGF receptor, ERBB2 or ERBB3 receptors. The protein exists as an type I membrane protein and as a proteolytically released soluble growth factor form. The membrane-bound form does not appear to be active. NRG3 is highly expressed in most regions of the brain with the exception of corpus callosum, and is expressed at lower level in testis. It is not detected in heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, ovary, small intestine, colon and peripheral blood leukocytes. The NRG3 cytoplasmic domain may be involved in the regulation of trafficking and proteolytic processing. Regulation of the proteolytic processing may involve initial intracellular domain dimerization.
Product Categories/Family for anti-NRG3 antibody	Crown Antibodies; Cancer; Neuroscience; Signal Transduction
References	Zhang, D., et al., Proc. Natl. Acad. Sci. U.S.A. 94(18):9562-9567 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	66730481
NCBI GeneID	10718
NCBI Accession #	NP_001010848.2; NP_001159445.1
NCBI GenBank Nucleotide #	NM_001010848.3
UniProt Accession #	P56975; Q0PEH2; Q5VYH3; A4D7U1
Molecular Weight	77901
NCBI Official Full Name	pro-neuregulin-3, membrane-bound isoform isoform 1
NCBI Official Synonym Full Names	neuregulin 3
NCBI Official Symbol	NRG3
NCBI Official Synonym Symbols	HRG3; pro-NRG3
NCBI Protein Information	pro-neuregulin-3, membrane-bound isoform
UniProt Protein Name	Pro-neuregulin-3, membrane-bound isoform
UniProt Gene Name	NRG3

UniProt Synonym Gene Names	Pro-NRG3; NRG-3
UniProt Entry Name	NRG3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nrg3-antibody-western-blot-immunohistochemistry-elisa/288645>