

Rabbit anti-Human Neuregulin-3 (NRG3) Monoclonal Antibody | anti-NRG3 antibody

Neuregulin-3 (NRG3) Rabbit mAb

CATALOG # AAA282817	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

Neuregulin-3 (NRG3); Monoclonal Antibody; Neuregulin-3 (NRG3) Rabbit mAb; HRG3; pro-NRG3; anti-NRG3 antibody

PRODUCT SPECIFICATIONS

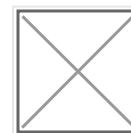
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	IIPSVGLEET CLQMPGISEV KSIKWCKNSY SADVVNVSIP VSDCLIAEQQ EVKILLETVQ EQIRILTDAR RSEDYELASV ETEDSASENT AFLPLSPTAK SEREAQFVLR NEIQRDSALT K
Applicable Applications for anti-NRG3 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 600-720 of human Neuregulin-3 (Neuregulin-3 (NRG3))(P56975).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of various lysates using Neuregulin-3 (NRG3) Rabbit mAb (AAA282817) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



WB (Western Blot)

Western blot analysis of various lysates using Neuregulin-3 (NRG3) Rabbit mAb (AAA282817) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti- NRG3 antibody	This gene is a member of the neuregulin gene family. This gene family encodes ligands for the transmembrane tyrosine kinase receptors ERBB3 and ERBB4 - members of the epidermal growth factor receptor family. Ligand binding activates intracellular signaling cascades and the induction of cellular responses including proliferation, migration, differentiation, and survival or apoptosis. This gene encodes neuregulin 3 (NRG3). NRG3 has been shown to activate the tyrosine phosphorylation of its cognate receptor, ERBB4, and is thought to influence neuroblast proliferation, migration and differentiation by signalling through ERBB4. NRG3 also promotes mammary differentiation during embryogenesis. Linkage studies have implicated this gene as a susceptibility locus for schizophrenia and schizoaffective disorder. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described but their biological validity has not been verified.
Product Categories/Family for anti- NRG3 antibody	Cancer; Signal Transduction; ErbB-HER Signaling Pathway; Neuroscience; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	66730481
NCBI GeneID	10718
NCBI Accession #	NP_001010848.2
NCBI GenBank Nucleotide #	NM_001010848.3
UniProt Accession #	P56975; Q0PEH2; Q5VYH3; A4D7U1
Molecular Weight	Calculated MW: 78kDa Observed MW: 56kDa
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/monoclonal/neuregulin-3-nrg3-antibody-western-blot-elisa/282817>