NRG4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NRG4, Polyclonal Antibody
Full Product Name	NRG4 Antibody; Biotin conjugated
Product Gene Name	anti-NRG4 antibody
Product Synonym Names	Pro-neuregulin-4; membrane-bound isoform; Pro-NRG4Cleaved into the following chain:Neuregulin-4; NRG-4; NRG4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: NRG4 (MBS7006703) Biotin Conjugated Antibody: NRG4 (MBS7003567)
Molecular Weight	12,722 Da
OMIM	610894
3D Structure	ModBase 3D Structure for Q8WWG1
Immunogen	Recombinant human Pro-neuregulin-4, membrane-bound isoform protein
Conjugation	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NRG4 antibody	ELISA (EIA)
Related Product Information for anti-NRG4 antibody	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.
Other Notes	Small volumes of anti-NRG4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NRG4 purchase	MBS7003567 is an antibody targeting NRG4. Also known as NRG4 Antibody; Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NRG4. It may not necessarily be applicable to this product.

NCBI GI #	20070380

NCBI GeneID	145957
NCBI Accession #	NP_612640.1
UniProt Primary Accession #	Q8WWG1
UniProt Secondary Accession #	A6NIE8
UniProt Related Accession #	Q8WWG1
GenBank Nucleotide #	NM_138573.3
NCBI Official Full Name	pro-neuregulin-4, membrane-bound isoform
NCBI Official Synonym Full Names	neuregulin 4
NCBI Official Symbol	NRG4
NCBI Official Synonym Symbols	HRG4
UniProt Protein Name	Pro-neuregulin-4, membrane-bound isoform
Protein Family	Pro-neuregulin
UniProt Gene Name	NRG4
UniProt Synonym Gene Names	Pro-NRG4; NRG-4
UniProt Entry Name	NRG4_HUMAN
NCBI Protein Information	pro-neuregulin-4, membrane-bound isoform
NCBI Summary for NRG4	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]
UniProt Comments for NRG4	NRG4: 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. Belongs to the neuregulin family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 15q24.2 Cellular Component: extracellular region; extracellular space; integral to membrane; intracellular; plasma membrane Molecular Function: growth factor activity; protein binding; receptor binding Biological Process: activation of MAPKK activity; axon guidance; epidermal growth factor receptor signaling pathway; fibroblast growth factor receptor signaling pathway; innate immune response; insulin receptor signaling pathway; MAPKKK cascade; nerve growth factor receptor signaling pathway; organ development; phosphoinositide-mediated signaling; Ras protein signal transduction; small GTPase mediated signal transduction; vascular endothelial growth factor receptor signaling pathway
Research Articles on NRG4	**1.** Nrg4 might have a protective role in the development of Non-alcoholic fatty liver disease (NAFLD).
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