



Human NRG3 blocking peptide (CDBP2003)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Neuregulin 3 antibody
Antigen Description	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.[provided by RefSeq, Sep 2009]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	NRG3 neuregulin 3 [Homo sapiens (human)]
------------------	--

Official Symbol	NRG3
Synonyms	NRG3; neuregulin 3; HRG3; pro-NRG3; pro-neuregulin-3, membrane-bound isoform; neuregulin 3 variant 1; neuregulin 3 variant 3; neuregulin 3 variant 4; neuregulin 3 variant 5; neuregulin 3 variant 6; neuregulin 3 variant 7; neuregulin 3 variant 8; neuregulin 3 variant 9; neuregulin 3 variant 10; neuregulin 3 variant 11; neuregulin 3 variant 12; neuregulin 3 variant 13; neuregulin 3 variant 14; neuregulin-3-like polypeptide;
Entrez Gene ID	10718
mRNA Refseq	NM_001010848.3
Protein Refseq	NP_001010848.2
UniProt ID	B9EGV5
Chromosome Location	10q22-q23
Pathway	Adaptive Immune System, organism-specific biosystem; Constitutive PI3K/AKT Signaling in Cancer, organism-specific biosystem; DAP12 interactions, organism-specific biosystem; DAP12 signaling, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; ErbB receptor signaling netwo
Function	growth factor activity; receptor tyrosine kinase binding; transmembrane receptor protein tyrosine kinase activator activity;
