



Anti-NRG3 (cytoplasmic domain) polyclonal antibody (CABT-BL2663)

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

PRODUCT INFORMATION

Immunogen	Synthetic peptide, from cytoplasmic domain Mouse NRG3 conjugated to an immunogenic carrier protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Purification	Whole antiserum
Conjugate	Unconjugated
Applications	WB, IHC-Fr, IHC-P
Cellular Localization	Secreted; Cell membrane. Does not seem to be active and Cell membrane. Isoform 3 is also proteolytically released as a soluble form.
Format	Liquid
Buffer	Whole serum
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C (add glycerol to a final volume of 40% for extra stability). Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	This gene is a member of the neuregulin gene family. This gene family encodes ligands for the
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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]

GENE INFORMATION

Entrez Gene ID	18183
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Protein Refseq	NP_001177116
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UniProt ID	E9Q396
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