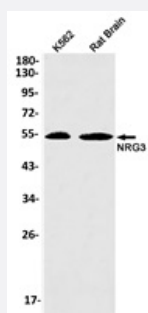


RecomAb™

NRG3 recombinant monoclonal antibody, clone R02-9E5

Catalog # RAB04920 Size 100 uL

Applications



Western Blot

Western blot analysis of K562, rat brain lysates with NRG3 recombinant monoclonal antibody, clone R02-9E5 (Cat # RAB04920).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NRG3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human NRG3.
Theoretical MW (kDa)	Calculated MW: 78 kD
Reactivity	Human, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of K562, rat brain lysates with NRG3 recombinant monoclonal antibody, clone R02-9E5 (Cat # RAB04920).

Gene Info — NRG3

Entrez GeneID [10718](#)

Protein Accession# [P56975](#)

Gene Name NRG3

Gene Alias HRG3, pro-NRG3

Gene Description neuregulin 3

Omim ID [605533](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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

Other Designations neuregulin-3-like polypeptide

Pathway

- [ErbB signaling pathway](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Polyradiculoneuropathy](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)