

# NRG1 monoclonal antibody, clone NRG1/2752

Catalog # MAB21222      Size 100 ug

## Specification

**Product Description** Mouse monoclonal antibody raised against partial recombinant human NRG1.

**Immunogen** Recombinant protein corresponding to amino acids 21-242 of human NRG1.

**Host** Mouse

**Theoretical MW (kDa)** 26-71

**Reactivity** Human

**Form** Liquid

**Purification** Protein A/G purification

**Isotype** IgG

**Recommend Usage** ELISA  
Western Blot (1-2 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In 10 mM PBS.

**Storage Instruction** Store at -20 to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — NRG1

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3084</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protein Accession# | <a href="#">Q02297</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Name          | NRG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Alias         | ARIA, GGF, GGF2, HGL, HRG, HRG1, HRGA, NDF, SMDF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Description   | neuregulin 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Omim ID            | <a href="#">142445 603013</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Summary       | <p>The protein encoded by this gene was originally identified as a 44-kD glycoprotein that interacts with the NEU/ERBB2 receptor tyrosine kinase to increase its phosphorylation on tyrosine residue s. This protein is a signaling protein that mediates cell-cell interactions and plays critical roles in th e growth and development of multiple organ systems. It is known that an extraordinary variety of di fferent isoforms are produced from this gene through alternative promoter usage and splicing. Th ese isoforms are tissue-specifically expressed and differ significantly in their structure, and thereb y these isoforms are classified into types I, II, III, IV, V and VI. The gene dysregulation has been lin ked to diseases such as cancer, schizophrenia and bipolar disorder (BPD). [provided by RefSeq</p> |
| Other Designations | glial growth factor heregulin, alpha (45kD, ERBB2 p185-activator) neu differentiation factor neureg ulin 1 isoform HRG-gamma sensory and motor neuron derived factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Pathway

- [ErbB signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anoxia](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Attention](#)
- [Autistic Disorder](#)

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Dominance](#)
- [Edema](#)
- [Extraversion \(Psychology\)](#)
- [Genetic Predisposition to Disease](#)
- [Hirschsprung Disease](#)
- [Infant](#)
- [Inhibition \(Psychology\)](#)
- [Intelligence Tests](#)
- [Leukomalacia](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mental Recall](#)
- [Mental Retardation](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Obstetric Labor Complications](#)
- [Perceptual Disorders](#)

- [Personality Tests](#)
- [Psychiatric Status Rating Scales](#)
- [Psychomotor Performance](#)
- [Psychoses](#)
- [Psychotic Disorders](#)
- [Reaction Time](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Schizotypal Personality Disorder](#)
- [Space Perception](#)
- [Speech Disorders](#)
- [Startle Reaction](#)
- [Stress](#)
- [Task Performance and Analysis](#)
- [Tobacco Use Disorder](#)