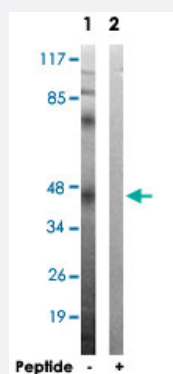


NRG1 polyclonal antibody

Catalog # PAB17327 Size 100 ug

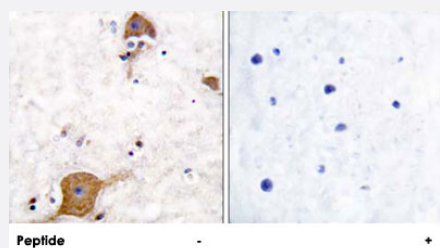
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from SK-OV-3 cells, using NRG1 polyclonal antibody (Cat # PAB17327).

Peptide "+" means "with peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using NRG1 polyclonal antibody (Cat # PAB17327).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NRG1.
Immunogen	A synthetic peptide corresponding to human NRG1.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of total NRG1 protein.
Form	Liquid

Recommend Usage	Western Blot (1:300-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	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 (Cell lysate)

Western blot analysis of extracts from SK-OV-3 cells, using NRG1 polyclonal antibody (Cat # PAB17327).
Peptide "+" means "with peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using NRG1 polyclonal antibody (Cat # PAB17327).
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Gene Info — NRG1

Entrez GeneID	3084
Protein Accession#	Q15491
Gene Name	NRG1
Gene Alias	ARIA, GGF, GGF2, HGL, HRG, HRG1, HRGA, NDF, SMDF
Gene Description	neuregulin 1
Omim ID	142445 603013
Gene Ontology	Hyperlink

Gene Summary

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

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

Publication Reference

- [Differential signaling by an anti-p185\(HER2\) antibody and heregulin.](#)

Le XF, Vadlamudi R, McWatters A, Bae DS, Mills GB, Kumar R, Bast RC Jr.

Cancer Research 2000 Jul; 60(13):3522.

- [Heregulin activation of extracellular acidification in mammary carcinoma cells is associated with expression of HER2 and HER3.](#)

Chan SD, Antoniucci DM, Fok KS, Alajoki ML, Harkins RN, Thompson SA, Wada HG.

The Journal of Biological Chemistry 1995 Sep; 270(38):22608.

- [Heregulin-stimulated signaling in rat pheochromocytoma cells. Evidence for ErbB3 interactions with Neu/ErbB2 and p85.](#)

Garnett DC, Greene T, Wagreich AR, Kim HH, Koland JG, Cerione RA.

The Journal of Biological Chemistry 1995 Aug; 270(32):19022.

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](#)