

Polyclonal Antibody to Neuregulin 1 (Isoform 10) (N-term) - Purified

Alternate names:	Acetylcholine receptor-inducing activity, Breast cancer cell differentiation factor p45, GGF, Glial growth factor, HGL, HRG, HRGA, Heregulin, NDF, NRG1, Neu differentiation factor, Pro-neuregulin-1 membrane-bound isoform, SMDF, Sensory and motor neuron-derived factor
Catalog No.:	AP23836PU-N
Quantity:	50 µg
Concentration:	1.0 mg/ml
Background:	Neuregulin 1 (NRG1) was originally identified as a 44-kD glycoprotein that interacts with the NEU/ERBB2 receptor tyrosine kinase to increase its phosphorylation on tyrosine residues. It is known that an extraordinary variety of different isoforms are produced from the NRG1 gene by alternative splicing. These isoforms include heregulins (HRGs), glial growth factors (GGFs) and sensory and motor neuron-derived factor (SMDF). They are tissue-specifically expressed and differ significantly in their structure. The HRG isoforms all contain immunoglobulin (Ig) and epidermal growth factor-like (EGF-like) domains. GGF and GGF2 isoforms contain a kringle-like sequence plus Ig and EGF-like domains; and the SMDF isoform shares only the EGF-like domain with other isoforms. The receptors for all NRG1 isoforms are the ERBB family of tyrosine kinase transmembrane receptors. Through interaction with ERBB receptors, NRG1 isoforms induce the growth and differentiation of epithelial, neuronal, glial, and other types of cells.
Uniprot ID:	Q02297
NCBI:	NP_001153467
GeneID:	3084
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide - KLH conjugated Genename: NRG1
Format:	State: Liquid purified IgG fraction Purification: Immunoaffinity Chromatography Buffer System: PBS (without Mg ²⁺ , Ca ²⁺), pH 7.4 containing 150mM Sodium Chloride, 0.02% Sodium Azide and 50% Glycerol
Applications:	ELISA: 1/10000. Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects endogenous levels of total NRG1 isoform-10 protein.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Species Reactivity: Tested: Human.

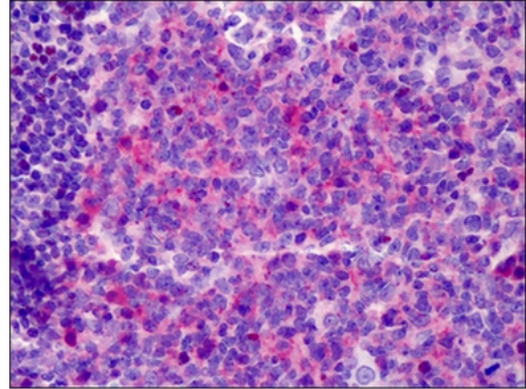
Expected from sequence similarity: Mouse and Rat.

Storage:

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot analysis of extracts from SKOV3 cells, using NRG1 isoform-10 Antibody. The lane on the right is treated with the synthesized peptide.

