

**Neuregulin-1 SMDF rabbit pAb****Cat#: orb768611 (Manual)**

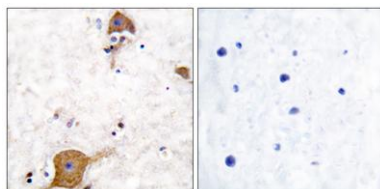
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	Neuregulin-1 SMDF rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NRG1 isoform-10. AA range: 1-50
<b>Specificity</b>	Neuregulin-1 SMDF Polyclonal Antibody detects endogenous levels of Neuregulin-1 SMDF protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Pro-neuregulin-1 membrane-bound isoform
<b>Gene Name</b>	NRG1
<b>Cellular localization</b>	[Pro-neuregulin-1, membrane-bound isoform]: Cell membrane; Single-pass type I membrane protein. Does not seem to be active.; [Neuregulin-1]: Secreted.; [Isoform 8]: Nucleus. May be nuclear.; [Isoform 9]: Secreted. Has a signal peptide.; [Isoform 10]: Memb
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

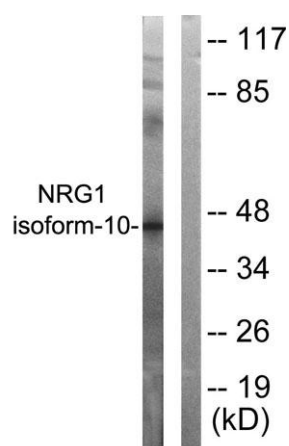
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	44kD
<b>Human Gene ID</b>	3084
<b>Human Swiss-Prot Number</b>	Q02297-10
<b>Alternative Names</b>	Pro-neuregulin-1 membrane-bound isoform; Pro-NRG1; NRG1; GGF; HGL; HRGA; NDF; SMDF

### Background

The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD). [provided by RefSeq, Apr 2016],



**Immunohistochemistry analysis of paraffin-embedded human brain tissue, using NRG1 isoform-10 Antibody. The picture on the right is blocked with the synthesized peptide.**



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