

For Research Use Only

# NRG1, isoform Alpha Recombinant antibody

Catalog Number:83251-2-RR



## Basic Information

<b>Catalog Number:</b> 83251-2-RR	<b>GenBank Accession Number:</b> BC007675	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3084	<b>CloneNo.:</b> 240067A6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q02297	<b>Recommended Dilutions:</b> IF-P 1:250-1:1000 IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> neuregulin 1	
<b>Immunogen Catalog Number:</b> AG35114	<b>Calculated MW:</b> 70 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IF-P, ELISA	<b>Positive Controls:</b> IF-P : rat brain tissue, IF/ICC : MCF-7 cells,
<b>Species Specificity:</b> human	

## Background Information

Neuregulin 1 (NRG1) is a trophic factor that has been implicated in neural development, neurotransmission, and synaptic plasticity. NRG1 has multiple isoforms that are generated by usage of different promoters and alternative splicing of a single gene. NRG1 and its receptor ErbB tyrosine kinase are expressed not only in the developing nervous system, but also in the adult brain. The immunogen of this antibody is against NRG1 isoform Alpha.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

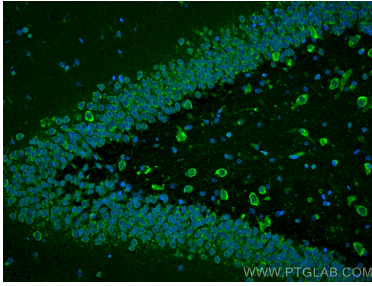
For technical support and original validation data for this product please contact:

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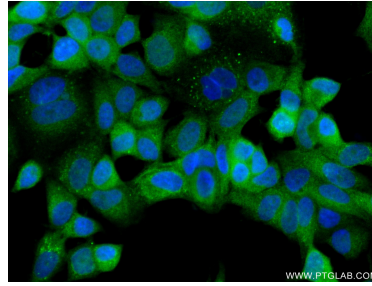
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using NRG1, isoform Alpha antibody (83251-2-RR, Clone: 240067A6) at dilution of 1:500 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using NRG1, isoform Alpha antibody (83251-2-RR, Clone: 240067A6) at dilution of 1:250 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).