

For Research Use Only

# NRG1, isoform Alpha Recombinant antibody



Catalog Number: 83251-2-RR

## Basic Information

Catalog Number:

83251-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35114

GenBank Accession Number:

BC007675

GeneID (NCBI):

3084

UNIPROT ID:

Q02297

Full Name:

neuregulin 1

Calculated MW:

70 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

240067A6

Recommended Dilutions:

IF 1:125-1:500

## Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

Human

Positive Controls:

IF : MDA-MB-231 cells,

## 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

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

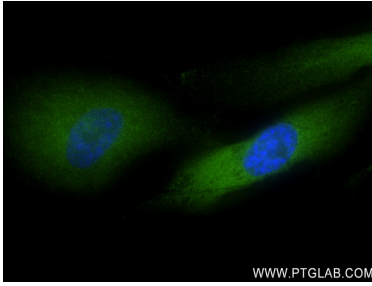
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

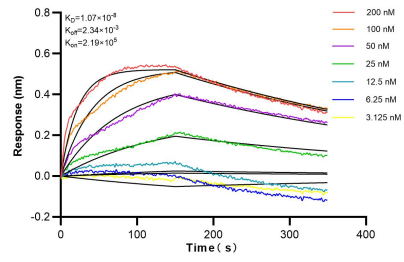
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MDA-MB-231 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).



Biolayer interferometry (BLI) kinetic assays of 83251-2-RR against Human NRG1, isoform Alpha were performed. The affinity constant is 10.7 nM.