

For Research Use Only

NRG1, isoform Alpha Polyclonal antibody

Catalog Number: 31043-1-AP



Basic Information

Catalog Number: 31043-1-AP	GenBank Accession Number: BC007675	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 ug/ml by Nanodrop;	GeneID (NCBI): 3084	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q02297	IHC 1:50-1:500
Isotype: IgG	Full Name: neuregulin 1	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG35114	Calculated MW: 70 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, A549 cells, HeLa cells, MCF-7 cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue
IHC : mouse cerebellum tissue, mouse stomach tissue
IF/ICC : MCF-7 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

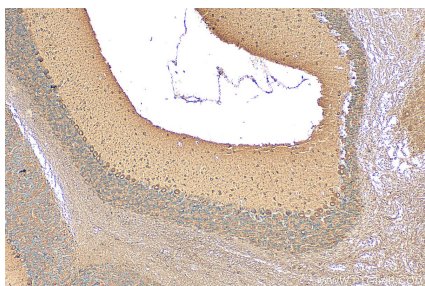
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

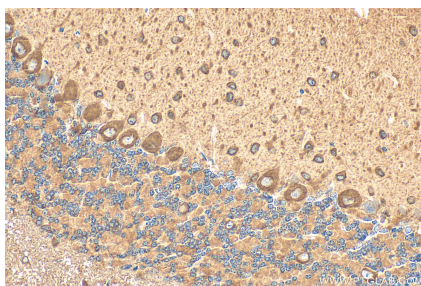
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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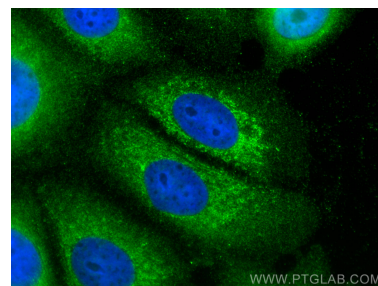
Selected Validation Data



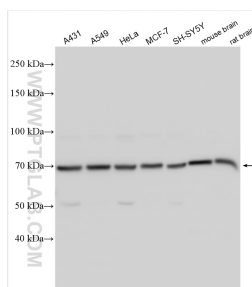
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 31043-1-AP (NRG1, isoform Alpha antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 31043-1-AP (NRG1, isoform Alpha antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using NRG1, isoform Alpha antibody (31043-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 31043-1-AP (NRG1, isoform Alpha antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.