

For Research Use Only

NRG1 Polyclonal antibody

Catalog Number: 10527-1-AP **5 Publications**



Basic Information

Catalog Number:

10527-1-AP

Size:

150ul, Concentration: 800 µg/ml by Nanodrop and 440 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0803

GenBank Accession Number:

BC007675

GeneID (NCBI):

3084

Full Name:

neuregulin 1

Calculated MW:

32 kDa

Observed MW:

55 kDa and 72 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

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: human liver tissue, mouse liver tissue, SH-SY5Y cells

IP: mouse liver tissue,

IHC: mouse stomach tissue, human stomach tissue, mouse cerebellum tissue

IF: MCF-7 cells, HepG2 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Dong-Min Shi	30486894	J Exp Clin Cancer Res	IHC
Fenghua Zeng	28724608	Am J Physiol Renal Physiol	WB
Yuting Zhou	34484386	Evid Based Complement Alternat Med	WB

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

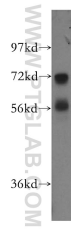
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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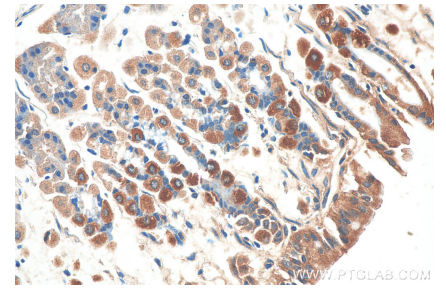
Selected Validation Data



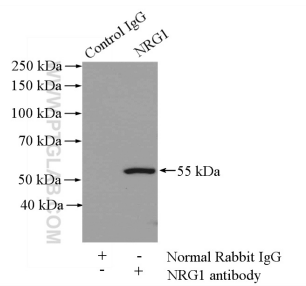
human liver tissue were subjected to SDS PAGE followed by western blot with 10527-1-AP (NRG1 antibody) at dilution of 1:250 incubated at room temperature for 1.5 hours.



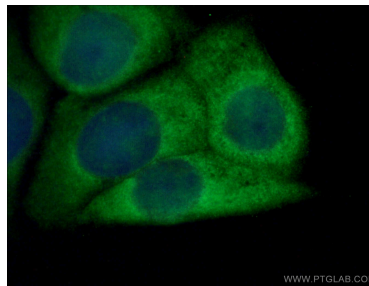
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 10527-1-AP (NRG1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 10527-1-AP (NRG1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-NRG1 (IP:10527-1-AP, 4ug; Detection:10527-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 10527-1-AP (NRG1 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).