

NRG1 Polyclonal Antibody

Catalog number: 10527-1-AP

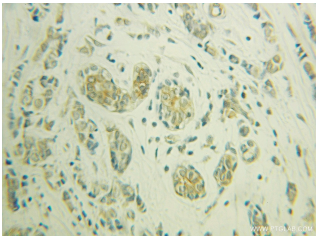
Size: 66 µg/150 µl

Source: Rabbit

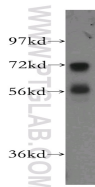
Isotype: IgG

Synonyms:

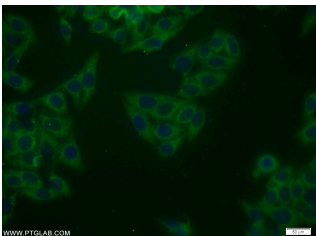
NRG1; ARIA, GGF, GGF2, Glial growth factor, Heregulin, HGL, HRG, HRG1, HRGA, NDF, Neu differentiation factor, neuregulin 1, NRG1, Pro NRG1, SMDF



Immunohistochemical of paraffin-embedded human breast cancer using 10527-1-AP (NRG1 antibody) at dilution of 1:100 (under 25x lens)



human liver tissue were subjected to SDS PAGE followed by western blot with 10527-1-AP (NRG1 antibody) at dilution of 1:250



Immunofluorescent analysis of HepG2 cells using 10527-1-AP (NRG1 Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP
Species specificity:	Human, Mouse; other species not tested.
Calculated NRG1 MW:	32 kDa
Observed NRG1 MW:	55 kDa and 72 kDa
Positive WB detected in	Human liver tissue, mouse liver tissue, SH-SY5Y cells
Positive IP detected in	Mouse liver tissue
Positive IHC detected in	Human breast cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100

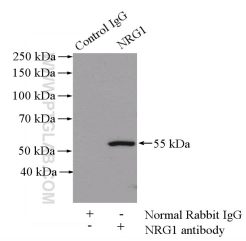
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0803
GenBank accession number:	BC007675
Gene ID (NCBI):	3084
Full name:	Neuregulin 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-NGR1
(IP:10527-1-AP, 4ug;
Detection:10527-1-AP 1:1000)
with mouse liver tissue lysate
4000ug.