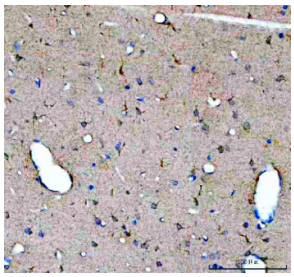
GDNF Antibody / Glial cell derived neurotrophic factor (R30537)

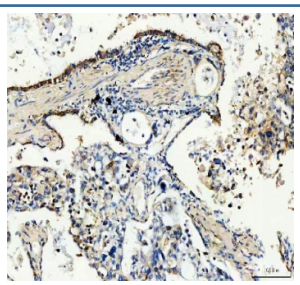
Catalog No.	Formulation	Size
R30537	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

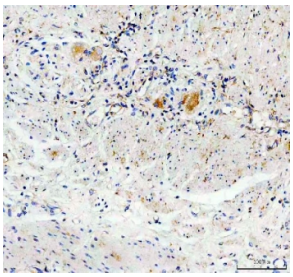
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P39905
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This GDNF antibody is available for research use only.



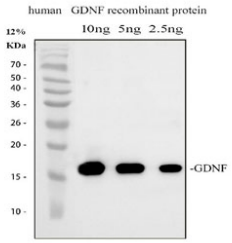
IHC staining of FFPE rat brain tissue with GDNF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer tissue with GDNF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human stomach cancer tissue with GDNF antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human recombinant GDNF protein with GDNF antibody.

Description

Glial cell-derived neurotrophic factor, is a protein that, in humans, is encoded by the GDNF gene. It is a small protein that potently promotes the survival of many types of neurons and a founding member of the GDNF family of ligands(GFL). The gene is mapped to human chromosome 5p13.1-p12 by fluorescence in situ hybridization (FISH). This gene encodes a highly conserved neurotrophic factor. The recombinant form of this protein was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosisof motor neurons induced by axotomy. The encoded protein is processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET(rearranged during transfection) protooncogene.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the GDNF antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human GDNF (FRYCSGSCDAAETTYDK) was used as the immunogen for this GDNF antibody.

Storage

After reconstitution, the GDNF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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