

GDNF Antibody
Rabbit mAb
Catalog # AP91286

Specification

GDNF Antibody - Product Information

Application	WB, FC
Primary Accession	P39905
Reactivity	Rat
Clonality	Monoclonal
Other Names	
ATF1; ATF2; gdnf; HFB1 GDNF; hGDNF; HSCR3;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	23720 Da

GDNF Antibody - Additional Information

Dilution	WB~~1:1000 FC~~1:10~50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GDNF
Description	Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

GDNF Antibody - Protein Information

Name GDNF

Function

Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high- affinity dopamine uptake (PubMed:<<http://www.uniprot.org/citations/8493557>>8493557). Acts by binding to its coreceptor, GFRA1, leading to autophosphorylation and activation of the RET receptor (PubMed:<<http://www.uniprot.org/citations/10829012>>10829012, PubMed:<<http://www.uniprot.org/citations/25242331>>25242331, PubMed:<<http://www.uniprot.org/citations/31535977>>31535977). Involved in the development of the neural crest (PubMed:<<http://www.uniprot.org/citations/15242795>>15242795).

Cellular Location

Secreted

Tissue Location

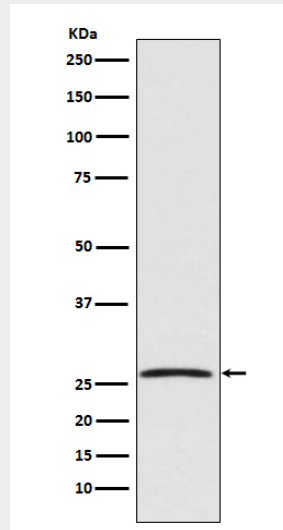
In the brain, predominantly expressed in the striatum with highest levels in the caudate and lowest in the putamen Isoform 2 is absent from most tissues except for low levels in intestine and kidney. Highest expression of isoform 3 is found in pancreatic islets. Isoform 5 is expressed at very low levels in putamen, nucleus accumbens, prefrontal cortex, amygdala, hypothalamus and intestine. Isoform 3 is up-regulated in the middle temporal gyrus of Alzheimer disease patients while isoform 2 shows no change

GDNF Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GDNF Antibody - Images



Western blot analysis of GDNF expression in HepG2 cell lysate.