

**GDNF Antibody**  
**Rabbit mAb**  
**Catalog # AP91286****Specification**

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**GDNF Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">P39905</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
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:<a href="http://www.uniprot.org/citations/8493557" target="\_blank">8493557</a>). Acts by binding to its coreceptor, GFRA1, leading to autophosphorylation and activation of the RET receptor (PubMed:<a href="http://www.uniprot.org/citations/10829012" target="\_blank">10829012</a>, PubMed:<a href="http://www.uniprot.org/citations/25242331" target="\_blank">25242331</a>, PubMed:<a href="http://www.uniprot.org/citations/31535977" target="\_blank">31535977</a>). Involved in the development of the neural crest (PubMed:<a href="http://www.uniprot.org/citations/15242795" target="\_blank">15242795</a>).

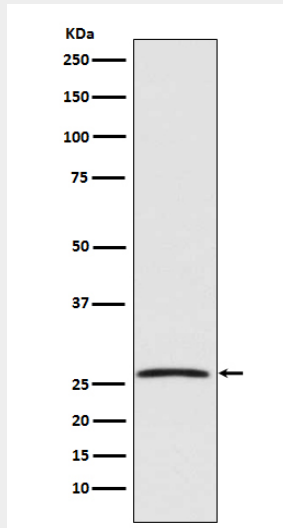
**Cellular Location**  
Secreted**Tissue Location**

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.