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GDNF Antibody

Rabbit mAb
Catalog # AP91286

Product Information

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

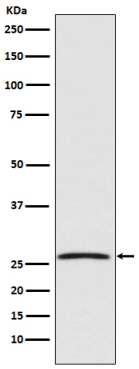
Additional Information

Dilution	WB 1:500~1:2000 FC 1:50
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.

Protein Information

Name	GDNF
Function	Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high- affinity dopamine uptake (PubMed:8493557). Acts by binding to its coreceptor, GFRA1, leading to autophosphorylation and activation of the RET receptor (PubMed:10829012, PubMed:25242331, PubMed:31535977). Involved in the development of the neural crest (PubMed: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

Images



Western blot analysis of GDNF expression in HepG2 cell lysate.

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