

Recombinant Anti-GDNF Rabbit mAb

Catalog # AP95048

Product Information

Application	WB, FC
Primary Accession	P39905
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	23720

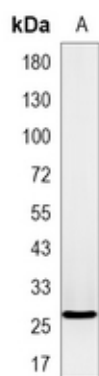
Additional Information

Gene ID	2668
Other Names	Glial cell line-derived neurotrophic factor; hGDNF; Astrocyte-derived trophic factor; ATF
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human GDNF protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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 (A) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 26 kD)

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