

# GDNF Rabbit mAb

Catalog # AP77213

## Product Information

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|--------------------------|---|
| <b>Application</b>       | WB, FC  |
| <b>Primary Accession</b> | <a href="#">P39905</a>                        |
| <b>Reactivity</b>        | Rat, Human, Mouse                             |
| <b>Host</b>              | Rabbit  |
| <b>Clonality</b>         | Monoclonal Antibody                           |
| <b>Isotype</b>           | IgG   |
| <b>Conjugate</b>         | Unconjugated                                  |
| <b>Immunogen</b>         | A synthesized peptide derived from human GDNF |
| <b>Purification</b>      | Affinity Chromatography                       |
| <b>Calculated MW</b>     | 23720   |

## Additional Information

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|--------------------|--|
| <b>Gene ID</b>     | 2668   |
| <b>Other Names</b> | GDNF   |
| <b>Dilution</b>    | WB~~1/500-1/1000 FC~~1:10~50   |
| <b>Format</b>      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| <b>Storage</b>     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

## Protein Information

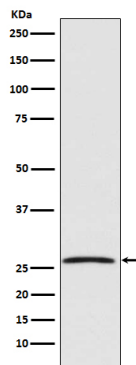
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|--------------------------|---|
| <b>Name</b>              | GDNF  |
| <b>Function</b>          | Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high- affinity dopamine uptake (PubMed: <a href="#">8493557</a> ). Acts by binding to its coreceptor, GFRA1, leading to autophosphorylation and activation of the RET receptor (PubMed: <a href="#">10829012</a> , PubMed: <a href="#">25242331</a> , PubMed: <a href="#">31535977</a> ). Involved in the development of the neural crest (PubMed: <a href="#">15242795</a> ). |
| <b>Cellular Location</b> | Secreted  |
| <b>Tissue Location</b>   | 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

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