

Rabbit anti-Mouse, Rat GDNF Polyclonal Antibody | anti-GDNF antibody

GDNF Polyclonal Antibody

CATALOG # AAA281223	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot
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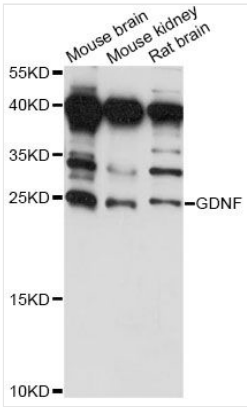
PRODUCT SYNONYMS

GDNF; Polyclonal Antibody; GDNF Polyclonal Antibody; ATF; ATF1; ATF2; HFB1-GDNF; HSCR3; anti-GDNF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	RGQRGKNRGC VLTAIHLNVT DLGLGYETKE ELIFRYCSGS CDAAETTYDK ILKNLSRNRR LVSDKVGQAC CRPIAFDDDL SFLDDNLVYH ILRKHS AKRC GCI
Sequence Length	211
Applicable Applications for anti-GDNF antibody	WB (Western Blot)
Immunogen	Recombinant protein of human GDNF
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Secreted
Positive Samples	Mouse brain, Mouse kidney, Rat brain
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using GDNF antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-GDNF antibody	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. The recombinant form of this protein, a highly conserved neurotrophic factor, was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. This protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. Mutations in this gene may be associated with Hirschsprung disease and Tourette syndrome. This gene encodes multiple protein isoforms that may undergo similar proteolytic processing.
Product Categories/Family for anti-GDNF antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503975
NCBI GeneID	2668
NCBI Accession #	NP_000505.1
NCBI GenBank Nucleotide #	NM_000514.3
UniProt Accession #	P39905 ; O95448 ; O95449 ; O95986 ; Q6FH33 ; Q96L44 ; Q9UD32 ; Q9UD33 ; Q9UMV2 ; Q9UP67 ; Q9UP97 ; B7WPK7
Molecular Weight	Calculated: 18kDa; 20kDa; 22kDa; 23kDa; 25kDa Observed: 24kDa
NCBI Official Full Name	glial cell line-derived neurotrophic factor isoform 1 preproprotein
NCBI Official Synonym Full Names	glial cell derived neurotrophic factor
NCBI Official Symbol	GDNF
NCBI Official Synonym Symbols	ATF; ATF1; ATF2; HSCR3; HFB1-GDNF
NCBI Protein Information	glial cell line-derived neurotrophic factor
UniProt Protein Name	Glial cell line-derived neurotrophic factor
UniProt Gene Name	GDNF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gdnf-antibody-western-blot-elisa/281223>