

Rabbit anti-Human, mouse GDNF Polyclonal Antibody | anti-GDNF antibody

GDNF Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289078	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

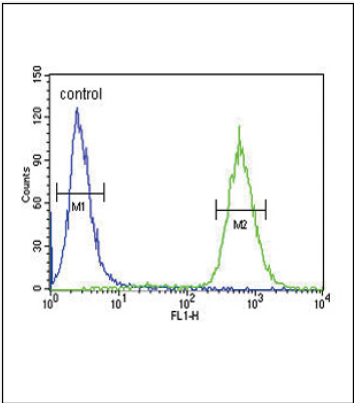
PRODUCT SYNONYMS

GDNF; Polyclonal Antibody; GDNF Antibody (N-term); Glial cell line-derived neurotrophic factor; hGDNF; Astrocyte-derived trophic factor; ATF; anti-GDNF antibody

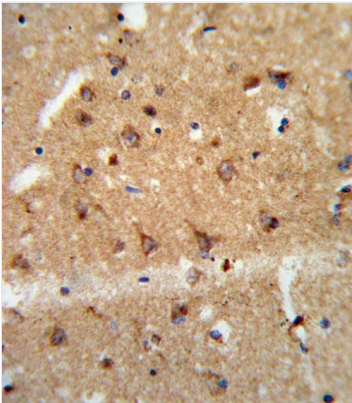
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GDNF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-36 amino acids from the N-terminal region of human GDNF.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.38 (varies by lot)
Sequence Positions	8-36
Sequence Length	159
Applicable Applications for anti-GDNF antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

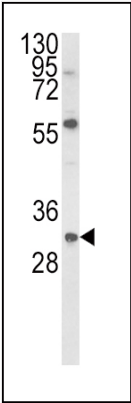
IMAGES



FCM/FACS (Flow Cytometry)
GDNF Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with GDNF Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of GDNF Antibody (N-term) in mouse NIH-3T3 cell line lysates (35ug/lane). GDNF (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GDNF antibody	GDNF is a highly conserved neurotrophic factor. The recombinant form of this protein 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 processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. In addition to the transcript encoding GDNF, two additional alternative transcripts encoding distinct proteins, referred to as astrocyte-derived trophic factors, have also been described.
Product Categories/Family for anti-GDNF antibody	Developmental Biology; Neuroscience
References	Tomac,A., et.al., Nature 373 (6512), 335-339 (1995)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503975
NCBI GeneID	2668
NCBI Accession #	NP_000505.1; NP_001177397.1; NP_001177398.1; NP_001265027.1; NP_954701.1
NCBI GenBank Nucleotide #	NM_000514.3

UniProt Accession #	P39905; O95448; O95449; O95986; Q6FH33; Q96L44; Q9UD32; Q9UD33; Q9UMV2; Q9UP67; Q9UP97; B7WPK7 ; AAB33493; AAB33494
Molecular Weight	23720
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	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
UniProt Synonym Gene Names	hGDNF; ATF
UniProt Entry Name	GDNF_HUMAN

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://stage.aaabiotech.com/polyclonal/gdnf-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289078>