

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

Anti-GDNF Antibody, Rabbit Polyclonal

CATALOG # AAA259087	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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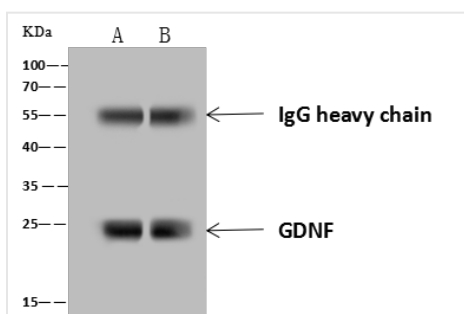
PRODUCT SYNONYMS

GDNF; Polyclonal Antibody; Anti-GDNF Antibody; Rabbit Polyclonal; glial cell derived neurotrophic factor; Anti-ATF1 Antibody; Anti-ATF2 Antibody; Anti-HFB1-GDNF Antibody; Anti-HSCR3 Antibody; anti-GDNF antibody

PRODUCT SPECIFICATIONS

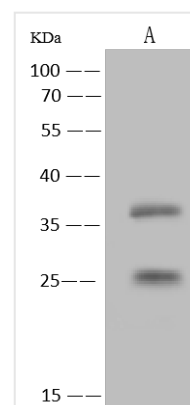
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human GDNF
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-GDNF antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E coli-derived Human GDNF fragment
Preparation	Produced in rabbits immunized with E coli-derived Human GDNF fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

GDNF was immunoprecipitated using: Lane A: 0.5 mg SH-SY5Y Whole Cell Lysate Lane B: 0.5 mg HepG2 Whole Cell Lysate 4 uL anti-GDNF rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-GDNF rabbit polyclonal antibody, at 1:1000 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 24 kDa Observed band size: 24 kDa



WB (Western Blot)

Anti-GDNF rabbit polyclonal antibody at 1:500 dilution Lane A: SH-SY5Y Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 24 kDa Observed band size: 24 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-GDNF antibody	Glial cell line-derived neurotrophic factor(GDNF) is an important member of the GDNF family of ligands(GFL). The GDNF family of ligands is comprised by four neurotrophic factors: glial cell line-derived neurotrophic factor (GDNF), neurturin (NRTN), artemin (ARTN), and persephin (PSPN). It has been found that GFLs play a role in a number of biological processes including cell survival, neurite outgrowth, cell differentiation and cell migration. As the founding member, GDNF plays a key role in the promotion of the survival of dopaminergic neurons. GDNF is a highly conserved neurotrophic factor. The recombinant form of this protein also promotes the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. GDNF also regulates kidney development and spermatogenesis, and it affects alcohol consumption. It has been shown that GDNF results in two Parkinson's disease clinical trial and in a number of animal trials. It has been taken as a potent survival factor for central motoneurons.
References	Oppenheim RW, et al. (1995) Developing motor neurons rescued from programmed and axotomy-induced cell death by GDNF. Nature. 373 (6512): 344-6. Tomac A, et al. (1995) Protection and repair of the nigrostriatal dopaminergic system by GDNF in vivo. Nature. 373 (6512): 335-9. Schindelhauer D, et al. (1996) The gene coding for glial cell line derived neurotrophic factor (GDNF) maps to chromosome 5p12-p13.1. Genomics. 28 (3): 605-7. Carnicella S, et al. (2008) GDNF is a fast-acting potent inhibitor of alcohol consumption and relapse. Proc Natl Acad Sci. 105 (23): 8114-9.

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-immunoprecipitation-western-blot-elisa/259087>