

Product datasheet

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ARG43368 anti-GDNF antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes GDNF

Tested Reactivity Hu, Ms, Rat

Tested Application FACS, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name GDNF

Species Human

Immunogen Synthetic peptide derived from Human GDNF.

Conjugation Un-conjugated

Alternate Names ATF; Astrocyte-derived trophic factor; HSCR3; hGDNF; Glial cell line-derived neurotrophic factor;

HFB1-GDNF; ATF1; ATF2

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	~ 26 kDa	

Properties

Form Liquid

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol

GDNF

Gene Full Name

glial cell derived neurotrophic factor

Background

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. [provided by RefSeq, Aug 2016]

Function

Neurotrophic factor that enhances survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake. [UniProt]

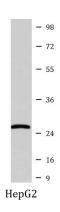
Calculated Mw

24 kDa

Cellular Localization

Secreted. [UniProt]

Images



ARG43368 anti-GDNF antibody WB image

Western blot: HepG2 cell lysate stained with ARG43368 anti-GDNF antibody.