antibodies -online.com





anti-GDNF antibody (Middle Region)

4 Images



Publications



Go to Product page

_					
U	V	er	VI	е	W

Quantity:	100 μg
Target:	GDNF
Binding Specificity:	AA 142-158, Middle Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))

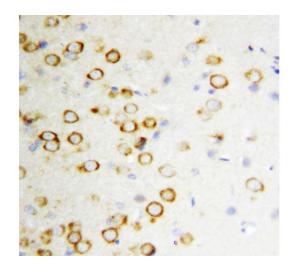
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Glial cell line-derived neurotrophic factor(GDNF) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human GDNF(142-158aa FRYCSGSCDAAETTYDK), different from the related mouse sequence by three amino acids and rat sequence by two amino acids.
Sequence:	FRYCSGSCDA AETTYDK
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details	
Characteristics:	Rabbit IgG polyclonal antibody for Glial cell line-derived neurotrophic factor(GDNF) detection.
	Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
	Gene Name: glial cell derived neurotrophic factor
	Protein Name: Glial cell line-derived neurotrophic factor(hGDNF)
Purification:	Immunogen affinity purified.
Target Details	
Target:	GDNF
Alternative Name:	GDNF (GDNF Products)
Background:	GDNF, Glial cell-derived neurotrophic factor, is a protein that, in humans, is encoded by the
	GDNF gene. GDNF is a small protein that potently promotes the survival of many types of
	neurons. GDNF is a founding member of the GDNF family of ligands(GFL). The GDNF gene is
	mapped to human chromosome 5p13.1-p12 by fluorescence in situ hybridization(FISH). This
	gene encodes 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 apoptosisof motor neurons induced by axotomy. The encoded 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.
	Synonyms: gdnf antibody GDNF_HUMAN antibody Glial cell derived neurotrophic factor
	antibody Glial Cell Line Derived Neurotrophic Factor antibody Glial cell line-derived neurotrophic
	factor antibody Glial derived neurotrophic factor antibody HFB1 GDNF antibody hGDNF antibody HSCR3 antibody
UniProt:	P39905
Pathways:	RTK Signaling, Synaptic Membrane, Tube Formation, Autophagy, Smooth Muscle Cell Migration
Application Details	
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human
	IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse,
	Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for
	20 mins is required for the staining of formalin/paraffin sections.
	ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be

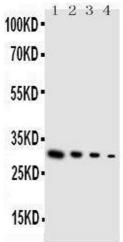
Application Details

, ipp.://doi.tio/./2010.ii		
	fit for the product based on sequence similarities. Other applications have not been tested.	
	Optimal dilutions should be determined by end users.	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
	ABIN921231 in IHC(P) and ICC.	
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.	
Concentration:	500 μg/mL	
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg	
	Sodium azide.	
Preservative:	Thimerosal (Merthiolate), Sodium azide	
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND	
	HAZARDOUS SUBSTANCES which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.	
	It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing	
	and thawing.	
Expiry Date:	12 months	
Publications		
Product cited in:	Whiteland, Nicholls, Shimeld, Easty, Williams, Hill: "Immunohistochemical detection of T-cell	
	subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal	
	antibodies." in: The journal of histochemistry and cytochemistry : official journal of the	
	Histochemistry Society, Vol. 43, Issue 3, pp. 313-20, (1995) (PubMed).	



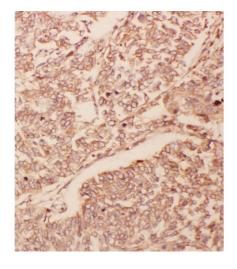
Immunohistochemistry

Image 1. Anti-GDNF antibody, IHC(P) IHC(P): Rat Brain Tissue



Western Blotting

Image 2. Lane 4: SMMC Cell Lysate



Immunohistochemistry

Image 3. Anti-GDNF antibody, IHC(P) IHC(P): Human Lung Cancer Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3044406.