



Rabbit Anti-GDNFRA antibody

SL0201R

Product Name:	GDNFRA
Chinese Name:	GDNF家族受体 α -1抗体
Alias:	GDNF Receptor alpha 1; GFR α -1; GFR alpha; GDNFR alpha; TmR1; GFR alpha-1; RETL1; RET ligand 1; TGF-beta related neurotrophic factor receptor-1; AU042498; DKFZp313E1012; DKFZp686J0156; FLJ10561; FLJ31546; GDNFR; Gdnfr alpha; GFR-ALPHA-1; GFRA1; GRFA1; LOC143381; MGC23045; Ret; RET1L; RETL1; TRNR1; GFRA1_HUMAN; GDNF family receptor alpha-1; GDNF receptor alpha-1; GDNFR-alpha-1; TGF-beta-related neurotrophic factor receptor 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	44kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GFR Alpha-1:351-429/465
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of

neuron survival and differentiation. The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for Hirschsprung disease. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq]

Function:

Receptor for GDNF. Mediates the GDNF-induced autophosphorylation and activation of the RET receptor.

Subunit:

2 molecules of GDNFR-alpha are thought to form a complex with the disulfide-linked GDNF dimer and with 2 molecules of RET.

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor.

Similarity:

Belongs to the GDNFR family.

SWISS:

P56159

Gene ID:

2674

Database links:

[Entrez Gene: 2674](#) Human

[Entrez Gene: 14585](#) Mouse

[Entrez Gene: 25454](#) Rat

[Omir: 601496](#) Human

[SwissProt: P56159](#) Human

[SwissProt: P97785](#) Mouse

[SwissProt: Q62997](#) Rat

[Unigene: 591913](#) Human

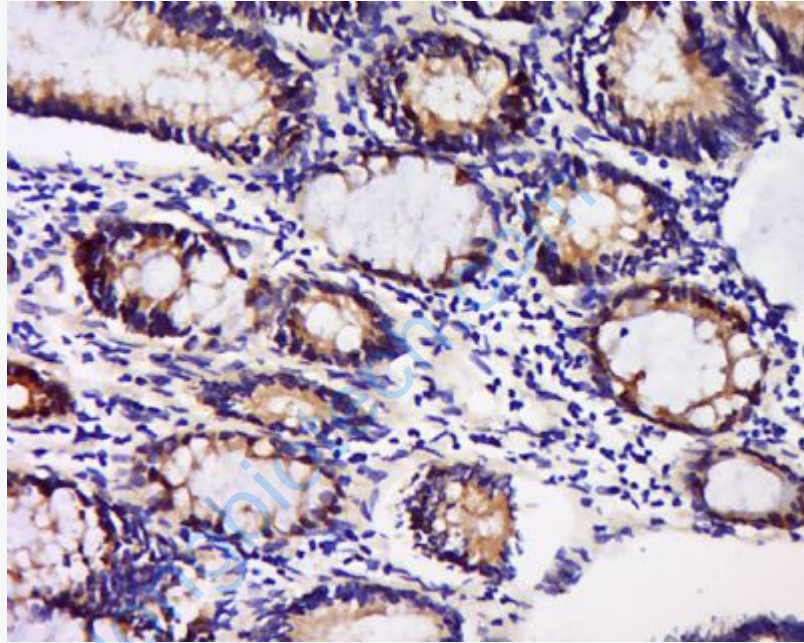
[Unigene: 88489](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

GFR α -1

是由68个氨基酸组成的蛋白, 广泛表达于中枢神经系统和外周器官。活性亚单位由两个GFR α -1分子中间由二硫键连接而成的复合物。属于GDNFR 家族成员。



Picture:

Tissue/cell: Human colon cancer ; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-GDNFRA Polyclonal Antibody, Unconjugated(SL0201R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining