

**Product Name: GFR $\alpha$ -1 Rabbit Polyclonal Antibody**  
**Catalog #: APRab11418**



## Summary

<b>Production Name</b>	GFR $\alpha$ -1 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	GFRA1 GFRA1; GDNFRA; RETL1; TRNR1; GDNF family receptor alpha-1; GDNF receptor alpha-1;
<b>Alternative Names</b>	GDNFR-alpha-1; GFR-alpha-1; RET ligand 1; TGF-beta-related neurotrophic factor receptor 1
<b>Gene ID</b>	2674.0
<b>SwissProt ID</b>	P56159.The antiserum was produced against synthesized peptide derived from human GFR alpha-1. AA range:51-100

## Application

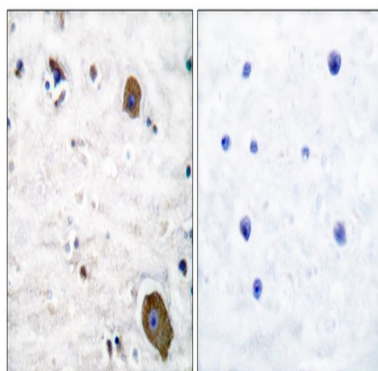
<b>Dilution Ratio</b>	IHC 1:100-1:300 ELISA: 1:10000
<b>Molecular Weight</b>	

## Background

This gene encodes a member of the glial cell line-derived neurotrophic factor receptor (GDNFR) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature receptor. 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. This receptor 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. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016],function:Receptor for GDNF. Mediates the GDNF-induced autophosphorylation and activation of the RET receptor.,similarity:Belongs to the GDNFR family.,subunit:2 molecules of GDNFR-alpha are thought to form a complex with the disulfide-linked GDNF dimer and with 2 molecules of RET.,

## Research Area

## Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GFR alpha-1 Antibody. The picture on the right is blocked with the synthesized peptide.

## Note

For research use only.