

Anti-GFR Alpha-1/GFRA1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Dog, Pig, Cow, Horse)
Molecular Weight:	Theoretical: 44 kDa. Actual: 47 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: Human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-GDNFRA Polyclonal Antibody, Unconjugated (TMAB-00766) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

2. Paraformaldehyde-fixed, paraffin embedded (human brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GDNFRA) Polyclonal Antibody, Unconjugated (TMAB-00766) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (Human duodenum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GDNFRA) Polyclonal Antibody, Unconjugated (TMAB-00766) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GDNFRA) Polyclonal Antibody, Unconjugated (TMAB-00766) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

5. Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Mouse Testis tissue lysates

Lane 3: Rat Cerebrum tissue lysates

Primary: Anti-GDNFRA (TMAB-00766) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kDa

Observed band size: 47 kDa

6. Sample:

Lane 1: Human HeLa cell lysates

Lane 2: Human HepG2 cell lysates

Lane 3: Human MOLT4 cell lysates

Lane 4: Human A549 cell lysates

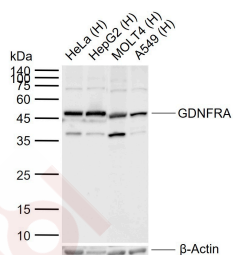
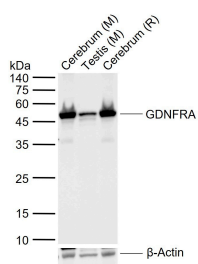
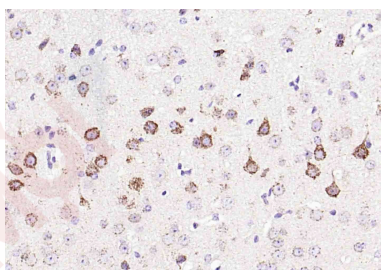
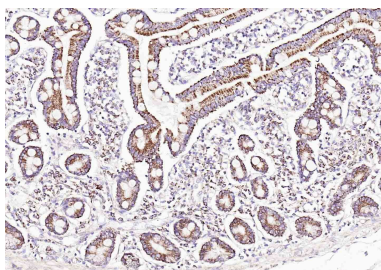
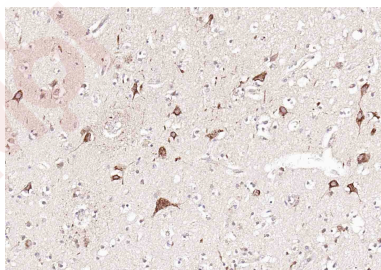
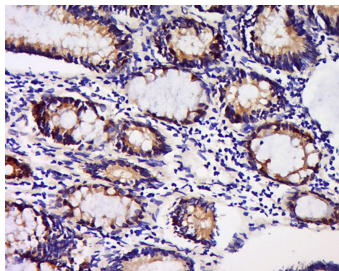
Primary: Anti-GDNFRA (TMAB-00766) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kDa

Verified Activity:

Observed band size: 47 kDa



Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human GFR Alpha-1

Antigen Species: Human

Gene ID: 2674

Uniprot ID: P56159

Synonyms: GDNFRA;TRNR1;RETL1;GDNF family receptor alpha 1;GFR-ALPHA-1;GFR- α -1;GDNF family receptor α 1;GFR α -1/GFRA1;RETL1;GDNFR

Biology Area: Neurotrophins

Research Background

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]

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