

## Anti-GDNF Polyclonal Antibody 2

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 15 kDa. Actual: 20 kDa.
Purification:	Protein A purified

### Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat 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 (GDNF) Polyclonal Antibody, Unconjugated (TMAB-00761) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

Cerebrum (Rat) Lysate at 40 µg

Cerebellum (Rat) Lysate at 40 µg

Primary: Anti-GDNF (TMAB-00761) at 1/1000 dilution

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

Predicted band size: 15 kDa

Observed band size: 20 kDa

Verified Activity:

3. Sample:

Cerebrum (Mouse) Lysate at 40 µg

Primary: Anti-GDNF (TMAB-00761) at 1/1000 dilution

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

Predicted band size: 15 kDa

Observed band size: 20 kDa

4. Sample:

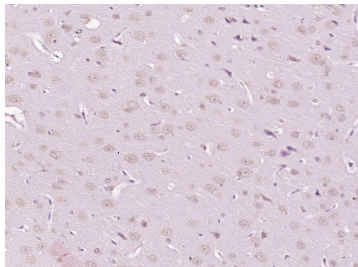
HepG2 (Human) Cell Lysate at 30 µg

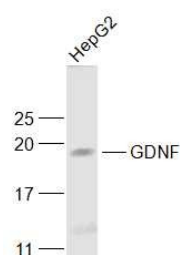
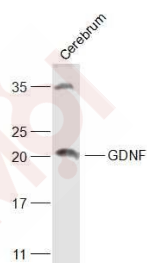
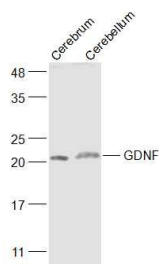
Primary: Anti-GDNF (TMAB-00761) at 1/1000 dilution

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

Predicted band size: 15 kDa

Observed band size: 19 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 GDNF

Antigen Species: Human

Gene ID: 2668

Uniprot ID: P39905

Biology Area: Kidney development,Neurotrophins,Amyotrophic lateral sclerosis,Parkinson's disease

## Research Background

Neurobiology. Neurotrophins. Neuroscience.

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 apoptosis of 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. In addition to the transcript encoding GDNF, two additional alternative transcripts encoding distinct proteins, referred to as astrocyte-derived trophic factors, have also been described. Mutations in this gene may be associated with Hirschsprung disease.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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