

Anti-p75 NGF Receptor Antibody [PSH13-26] - BSA and Azide free

HA610274



Product Type:	Recombinant Rat Monoclonal IgG1, primary antibodies
Species reactivity:	Mouse, Rat
Applications:	IHC-Fr, WB
Molecular Wt:	Predicted band size: 46 kDa
Clone number:	PSH13-26

Description: The p75 neurotrophin receptor (p75NTR) was first identified in 1973 as the low-affinity nerve growth factor receptor (LNGFR) before discovery that p75NTR bound other neurotrophins equally well as nerve growth factor. p75NTR is a neurotrophic factor receptor. Neurotrophic factor receptors bind Neurotrophins including Nerve growth factor, Neurotrophin-3, Brain-derived neurotrophic factor, and Neurotrophin-4. All neurotrophins bind to p75NTR. This also includes the immature pro-neurotrophin forms. Neurotrophic factor receptors, including p75NTR, are responsible for ensuring a proper density to target ratio of developing neurons, refining broader maps in development into precise connections. p75NTR is involved in pathways that promote neuronal survival and neuronal death.

Positive control: Mouse brain tissue lysate, Rat brain tissue lysate.

Subcellular location: Cell membrane, Cytoplasm, Perikaryon, Cell projection, growth cone, dendritic spine.

Database links: SwissProt: Q9Z0W1 Mouse | P07174 Rat

Recommended Dilutions:

IHC-Fr	1:200
WB	1:2,000

Storage Buffer: PBS (pH7.4).

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

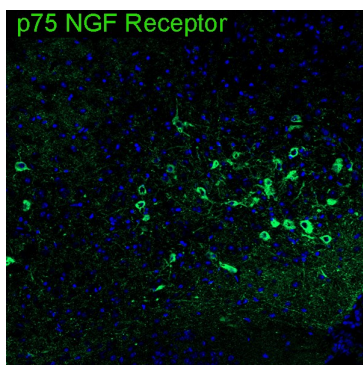
Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

**Fig1:** Application: IHC-Fr

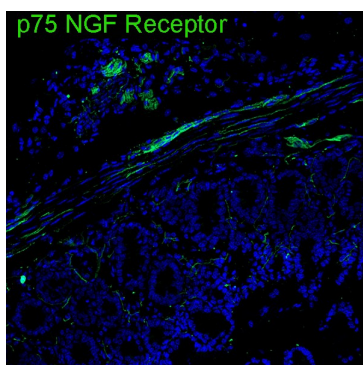
Species: Mouse

Site: brain (medial septum)

Sample: Frozen section

Antibody concentration: 1/200

Antigen retrieval: Not required

**Fig2:** Application: IHC-Fr

Species: Mouse

Site: colon

Sample: Frozen section

Antibody concentration: 1/200

Antigen retrieval: Not required

Fig3: Western blot analysis of p75 NGF Receptor on different lysates with Rat anti-p75 NGF Receptor antibody (HA610274) at 1/2,000 dilution.

Lane 1: Mouse brain tissue lysate

Lane 2: Rat brain tissue lysate

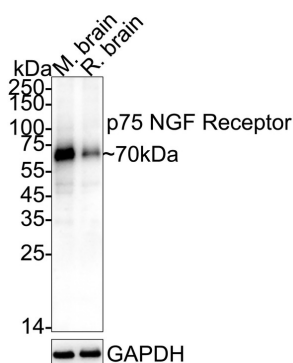
Lysates/proteins at 20 µg/Lane.

Predicted band size: 46 kDa

Observed band size: 70 kDa

Exposure time: 59 seconds; ECL: K1802;

4-20% SDS-PAGE gel.



Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA610274) at 1/2,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rat IgG H&L - HRP Secondary Antibody (HA1023) at 1/5,000 dilution was used for 1 hour at room temperature.

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Background References

1. Bruno F et al. The Nerve Growth Factor Receptor (NGFR/p75(NTR)): A Major Player in Alzheimer's Disease. Int J Mol Sci. 2023 Feb
2. Castellini C et al. The Effect of Interaction NGF/p75(NTR) in Sperm Cells: A Rabbit Model. Cells. 2022 Mar