

Rabbit Anti-Neurotrophin 3 antibody

SL0160R

Product Name Neurotrophin 3

Chinese Name 神经营养因子-3 前蛋白抗体

Alias HDNF; MGC129711; Nerve growth factor 2; Neurotrophic factor; Neurotrophin 3 precursor; Neurotrophin-3; Neurotrophin3; NGF 2; NGF-2; NGF2; NT 3; NT-3; NT3; NTF 3; NTF3; NTF3_HUMAN.

Research Area immunology Neurobiology

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human, Mouse, Rat, (predicted: Dog, Cow,)
IHC-P=1:200-500,IHC-F=1:200-500,IF=1:100-500 (Paraffin sections need antigen repair)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 28kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human NT-3: 19-100/258

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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

PubMed [PubMed](#)

The protein encoded by this gene is a member of the neurotrophin family, that controls survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. It may be involved in the maintenance of the adult nervous system, and may affect development of neurons in the embryo when it is expressed in human placenta. NTF3-deficient mice generated by gene targeting display severe movement defects of the limbs. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse. [provided by RefSeq, Jul 2008].

Function:

Seems to promote the survival of visceral and proprioceptive sensory neurons.

Subcellular Location:

Secreted.

Tissue Specificity:

Brain and peripheral tissues.

Similarity:

Belongs to the NGF-beta family.

**Product
Detail**

SWISS:
P20783

Gene ID:
4908

Database links:

[Entrez Gene: 4908](#) Human

[Entrez Gene: 18205](#) Mouse

[Entrez Gene: 81737](#) Rat

[Omim: 162660](#) Human

[SwissProt: P20783](#) Human

[SwissProt: P20181](#) Mouse

[SwissProt: P18280](#) Rat

[Unigene: 99171](#) Human

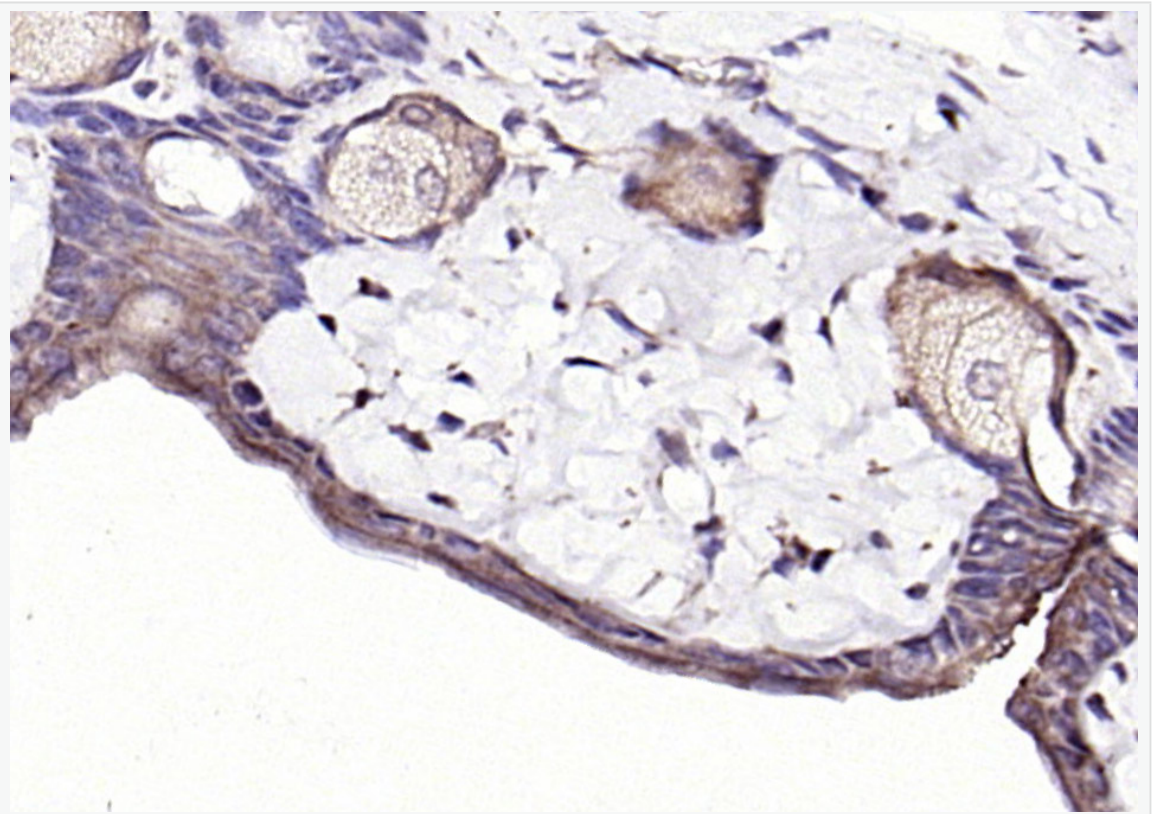
[Unigene: 267570](#) Mouse

[Unigene: 9715](#) Rat

Neurobiology 相关蛋白 (Neurobiology)

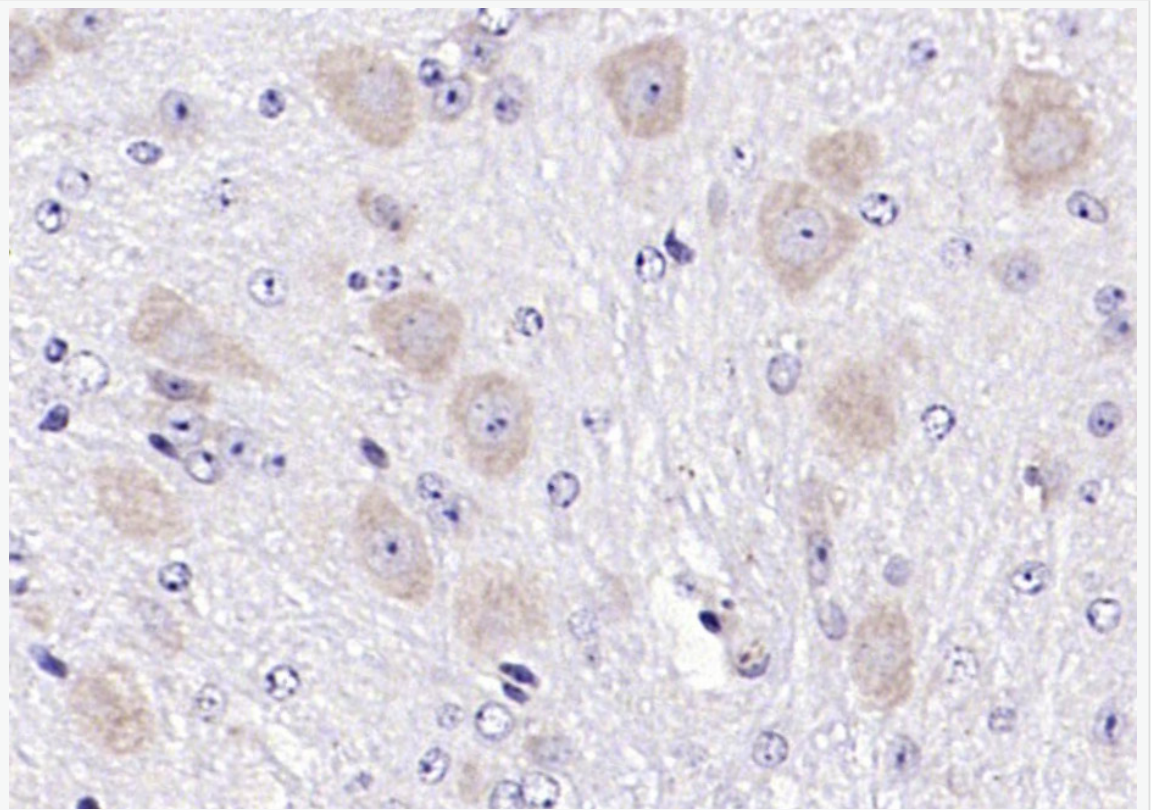
一种内源型神经递质，分子量为 28kDa 的碱性多肽，属神经营养蛋白家族。与 NGF 和 BDNF 具有序列同源性，为培养的神经营养细胞的促细胞分裂剂。此抗体与 NGF、BDNF 无 React Species。

**Product
Picture**

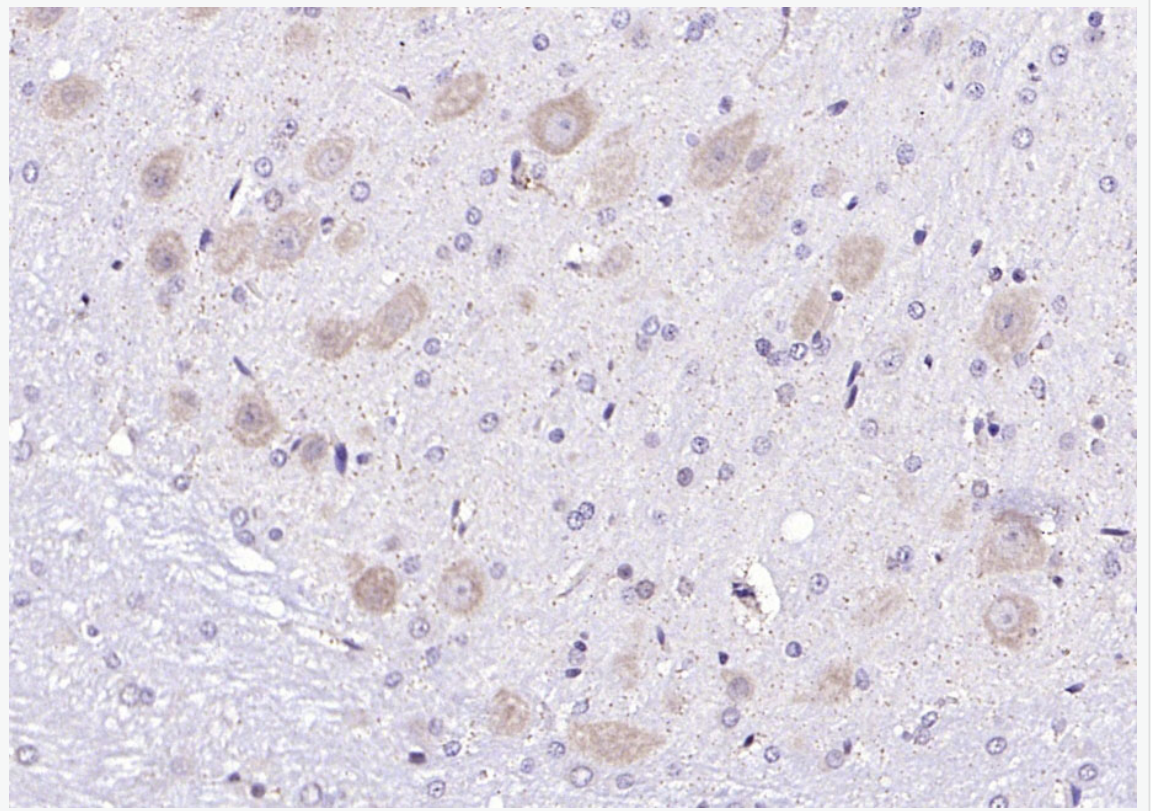


Paraformaldehyde-fixed, paraffin embedded (rat skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurotrophin 3) Polyclonal Antibody, Unconjugated (SL0160R) at 1:1000 overnight at 4°C, followed by operating according

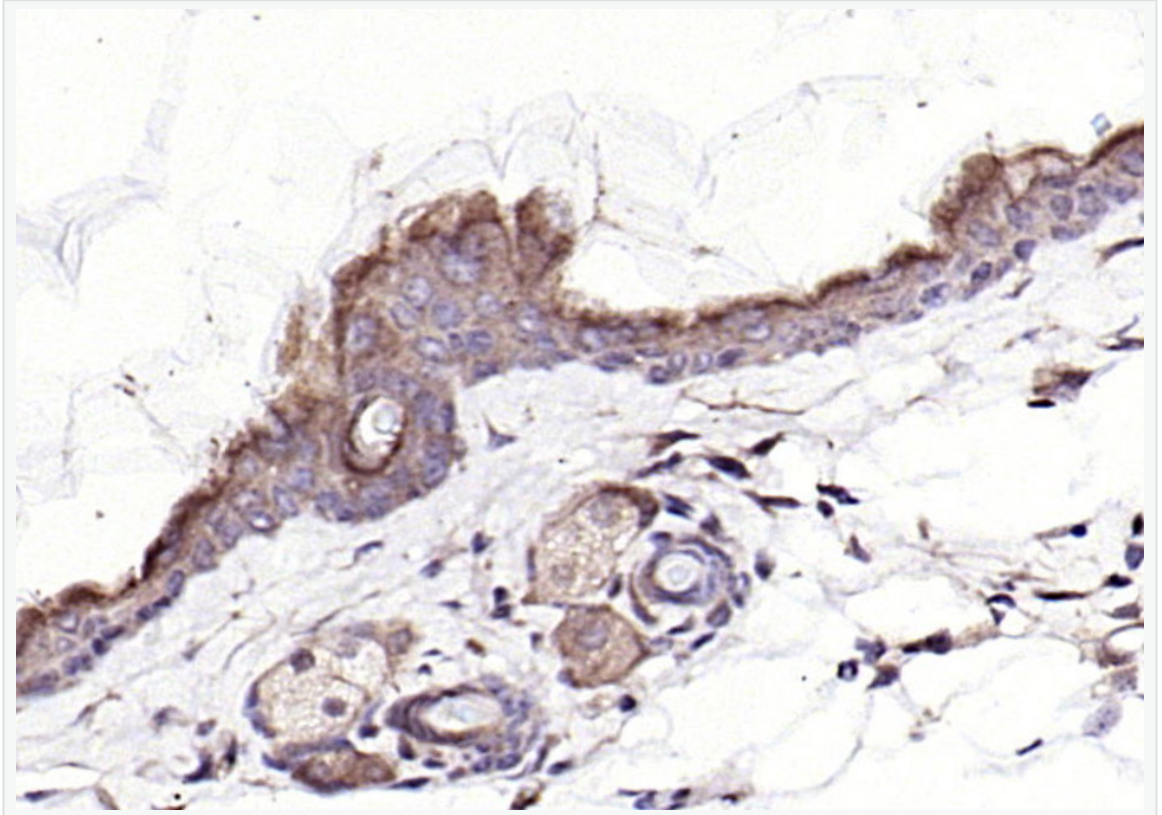
to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



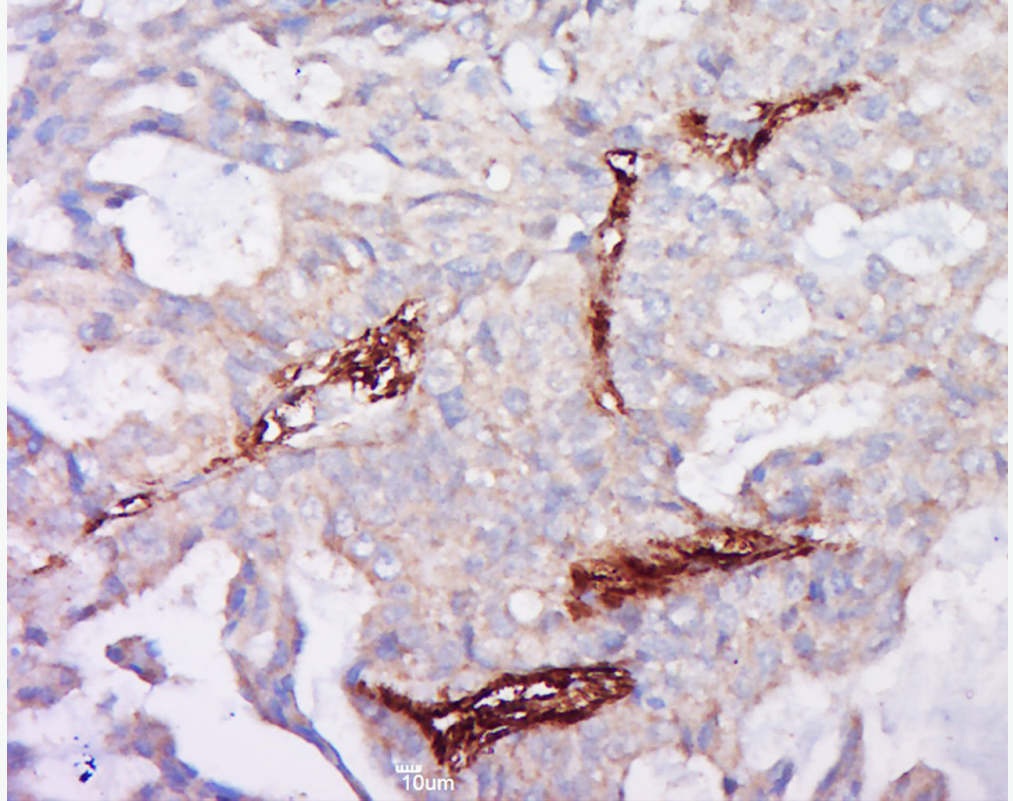
Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurotrophin 3) Polyclonal Antibody, Unconjugated (SL0160R) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurotrophin 3) Polyclonal Antibody, Unconjugated (SL0160R) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



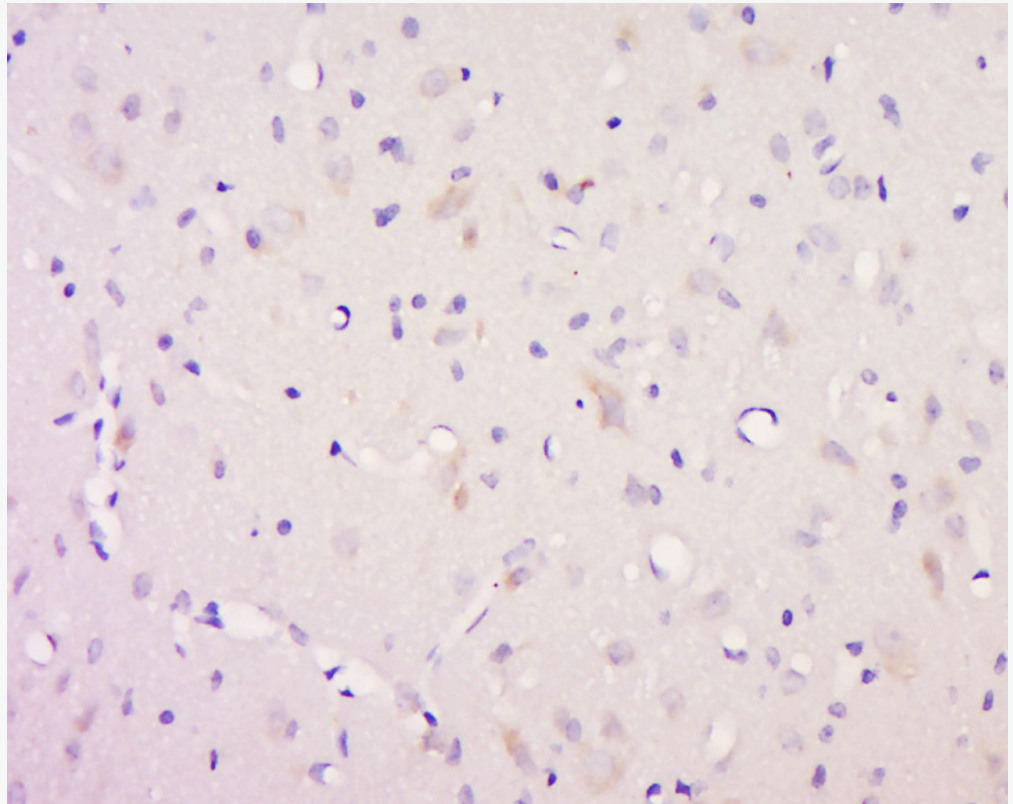
Paraformaldehyde-fixed, paraffin embedded (mouse skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurotrophin 3) Polyclonal Antibody, Unconjugated (SL0160R) at 1:1000 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



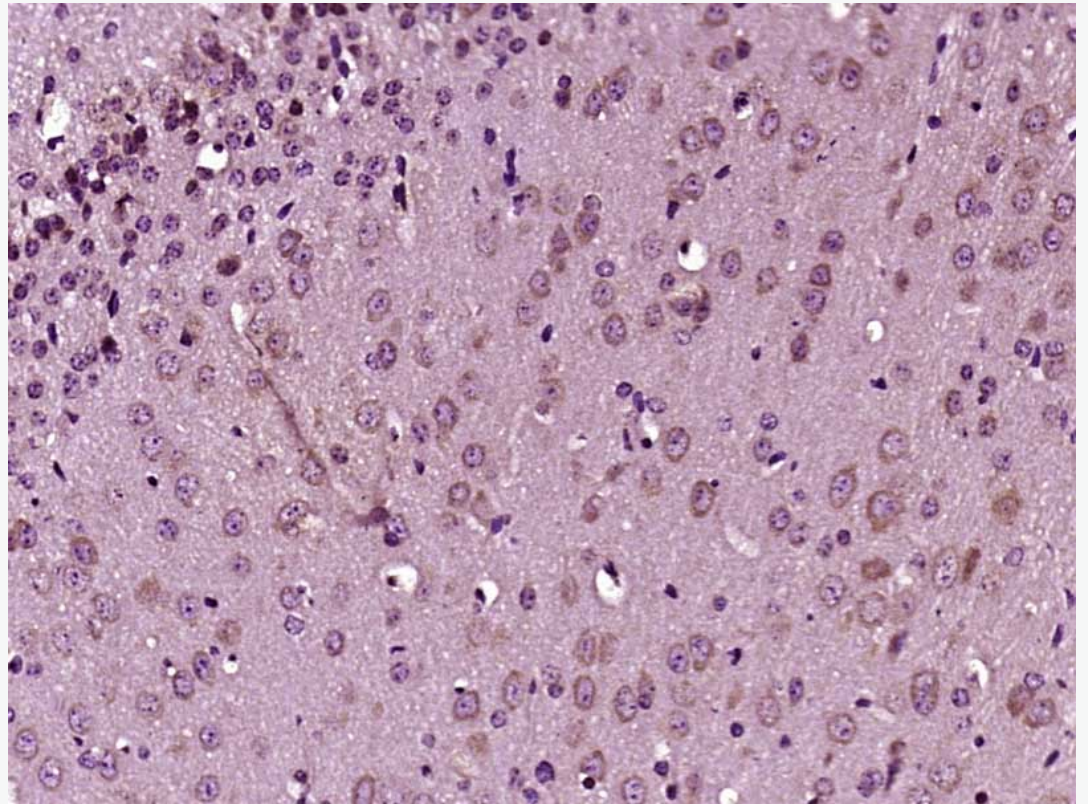
Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, 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-NTF3 Polyclonal Antibody, Unconjugated(SL0160R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, 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-NTF3 Polyclonal Antibody, Unconjugated(SL0160R) 1:500,
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and
DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neurotrophin 3) Polyclonal Antibody, Unconjugated (SL0160R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.