

NTF4 Rabbit pAb

Catalog No.: A1081

Basic Information

Observed MW

22kDa

Calculated MW

22kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene is a member of a family of neurotrophic factors, neurotrophins, that control survival and differentiation of mammalian neurons. The expression of this gene is ubiquitous and less influenced by environmental signals. While knock-outs of other neurotrophins including nerve growth factor, brain-derived neurotrophic factor, and neurotrophin 3 prove lethal during early postnatal development, NTF5-deficient mice only show minor cellular deficits and develop normally to adulthood.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:100 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

4909

Swiss Prot

P34130

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 25-210 of human NTF4 (NP_006170.1).

Synonyms

NT4; NT5; NT-4; NT-5; NTF5; GLC10; GLC10; NT-4/5; NTF4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

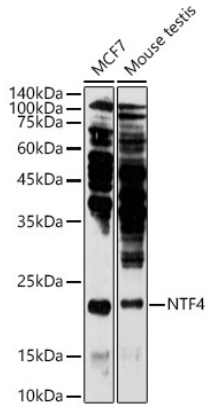
Affinity purification

Storage

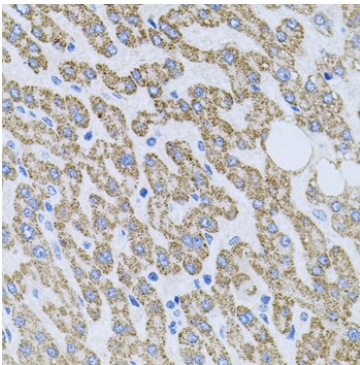
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

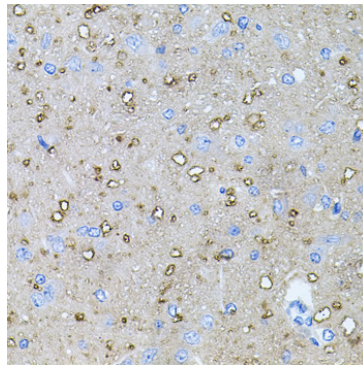
Validation Data



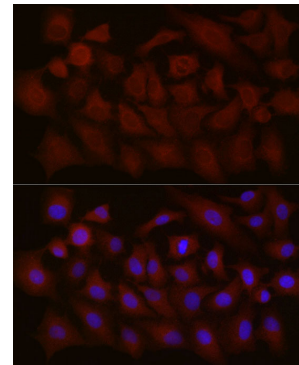
Western blot analysis of various lysates using NTF4 Rabbit pAb (A1081) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



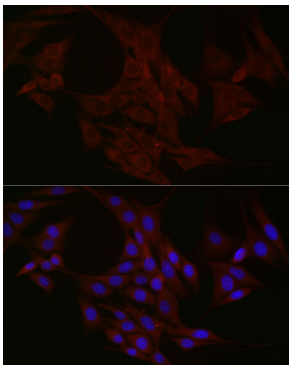
Immunohistochemistry analysis of paraffin-embedded human liver damage using NTF4 Rabbit pAb (A1081) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



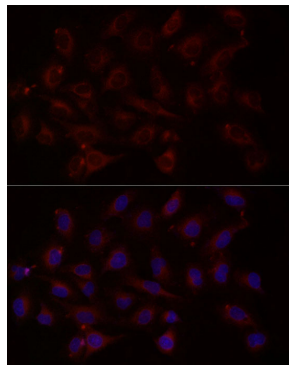
Immunohistochemistry analysis of paraffin-embedded rat brain using NTF4 Rabbit pAb (A1081) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of A-549 cells using NTF4 Rabbit pAb (A1081) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using NTF4 Rabbit pAb (A1081) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-3 cells using NTF4 Rabbit pAb (A1081) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.