

## NTF4

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:100 - 1:200

**Calculated MW:** 22kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human NTF4

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

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

**Catalog #:** A1081

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 4909

**Isotype:** IgG

**Swiss Prot:** P34130

**Purity:** Affinity purification

For research use only.

**Background:**

NT-4 is a member of the structurally related neurotrophin family of proteins, which includes -NGF, BDNF and NT-3 (1). NT-4 is expressed in a number of cell types and tissues, including neuronal cells, normal breast epithelial cells, melanocytes, activated T cells, and granulocytes (1-5). NT-4 is required for the development of peripheral sensory neurons (6,7). NT-4 may be important for the development of long term memory (8). Increased NT-4 expression in melanoma cells promotes cell proliferation and migration (5). NT-4 is secreted from cells as a precursor protein, which is proteolytically cleaved into the mature form (1). NT-4 signaling is mediated through two distinct receptors, the neurotrophin receptor p75NTR and the Trk tyrosine kinase receptor TrkB. While all neurotrophins bind to the p75NTR receptor, NT-4 preferentially binds to the TrkB receptor (1).

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