

## Anti-NGFR/p75NTR Antibody (2N149)

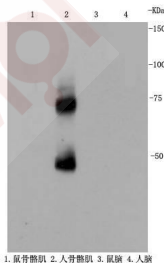
### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 75 kDa.
Clone:	2N149
Purification:	ProA affinity purified

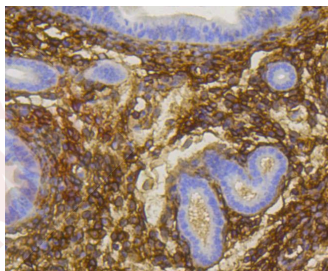
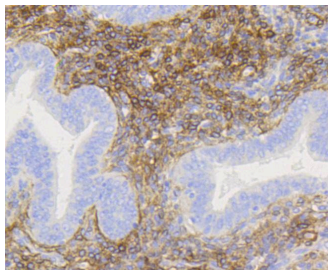
### Applications

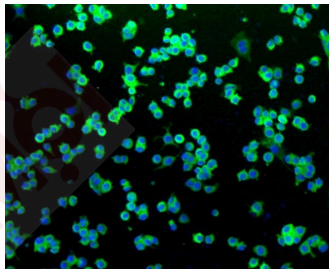
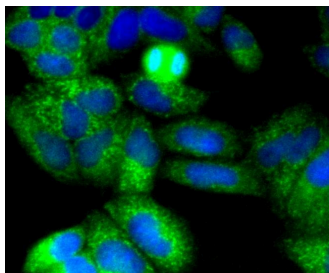
#### Verified Activity:

1. Western blot analysis of NGFR p75 on human skeletal muscle lysates using anti-NGFR p75 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-NGFR p75 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse uterus tissue using anti-NGFR p75 antibody. Counter stained with hematoxylin.
4. ICC staining NGFR p75 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining NGFR p75 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



1. 鼠骨组织 2. 人骨组织 3. 鼠脑 4. 人脑





Application: ICC/IF,IHC,IP,WB

Recommended WB: 1:1000-5000; IHC: 1:50-200; ICC/IF: 1:50-200

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### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P08138

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### Research Background

The Trk oncogene encodes a membrane-spanning protein tyrosine kinase, gp140Trk, whose expression is restricted in vivo to neurons of the sensory spinal and cranial ganglia of neural crest origin. Nerve growth factor (NGF) stimulates tyrosine phosphorylation of Trk A in neural cell lines and in embryonic dorsal root ganglia. Tyrosine phosphorylation of Trk by NGF is rapid, specific and occurs with picomolar quantities of factor, indicating that the response is mediated by physiological amounts of NGF, suggesting that Trk A participates in the primary signal transduction mechanism of NGF. An additional component of the Trk A receptor complex, NGFR p75, binds to the neurotrophic factors with low affinity but is required for efficient signaling. NGFR p75 accelerates Trk A activation and may recruit downstream effector molecules to the liganded complex.

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

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