

Anti-NGFR Antibody

CATALOG NO:	A1650-100	100 µl
ALTERNATIVE NAMES:	TNFRSF16; Tumor necrosis factor receptor superfamily member 16; Gp80-LNGFR; Low affinity neurotrophin receptor p75NTR; Low-affinity nerve growth factor receptor; NGF receptor; p75 ICD; CD271	
CONCENTRATION:	1 mg/ml	
IMMUNOGEN:	A synthesized peptide derived from human NGFR	
HOST/ISOTYPE:	Rabbit IgG	
CLONALITY:	Polyclonal	
MOL WEIGHT:	45 kDa	
SPECIES REACTIVITY:	Human, Mouse, Rat	
PURIFICATION:	Affinity purification	
FORM:	Liquid	
FORMULATION:	Supplied in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol	
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles	
DESCRIPTION:	<p>The p75 neurotrophin receptor (p75NTR), a member of the TNF receptor superfamily, is distinguished by multiple cysteine-rich ligand-binding domains, a single transmembrane sequence and a noncatalytic cytoplasmic domain. p75NTR displays paradoxical functions when acting alone or with other receptor proteins. Working in concert with Trk receptors, p75NTR recognizes neurotrophins and transmits trophic signals into the cell. Both p75NTR and TrkA are required to activate PI3K-Akt signaling, while TrkA can individually activate the MAP kinase pathway. In contrast, p75NTR, possibly through JNK, ensures appropriate apoptosis of injured neurons and improperly targeted neonatal neurons. The p75NTR protein undergoes sequential cleavage similar to APP and Notch. First, α-secretase removes the p75NTR ectodomain, eliminating ligand-mediated signaling. At this point, the membrane-tethered cleavage product can still fine-tune Trk-mediated trophic actions.</p>	
APPLICATION:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA (peptide) 1:20000-1:40000 Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.	

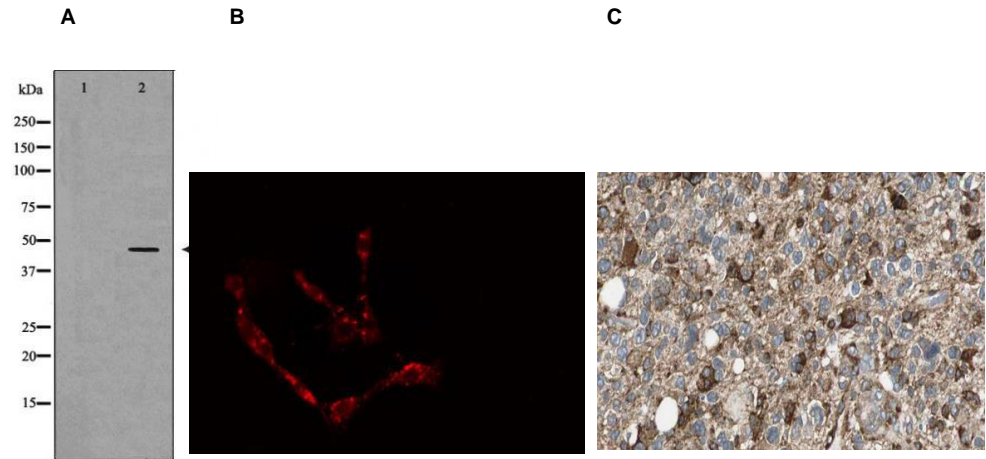


Fig. A. Western blot analysis of Mouse brain lysate, using NGFR Ab. The lane on the left is treated with the antigen-specific peptide.

Fig. B. IF/ICC staining of HepG2 cells using NGFR antibody

Fig. C. IHC staining of human Glioma tissue using NGFR antibody

RELATED PRODUCTS:

- Phospho-Erk1/2 Antibody (**Cat. No. 3441**)
- Phospho-ERK1/2 (Thr202/Tyr204) Translocation Assay Kit (Cell-Based) (**Cat. No. K696**)

FOR RESEARCH USE ONLY! Not to be used on humans.

