Product datasheet

Anti-p75NTR/NGFR Antibody

Catalog Number: *A01187*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-p75NTR/NGFR Antibody
Gene Name	NGFR
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, rat
Tested Application	WB, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human p75 NGF Receptor/NGFR recombinant protein (Position: K29-Q240).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	45 kDa,75 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

The low-affinity nerve growth factor receptor (nerve growth factor receptor (TNFR superfamily, member 16), also called the LNGFR or p75 neurotrophin receptor) is one of the two receptor types for the neurotrophins, a family of protein growth factors that stimulate neuronal cells to survive and differentiate. LNGFR is a member of the tumor necrosis factor receptor (TNF receptor)superfamily indeed, LNGFR was the first member of this large family of receptors to be characterized. It is mapped to 17q21.33. Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain.

Reference

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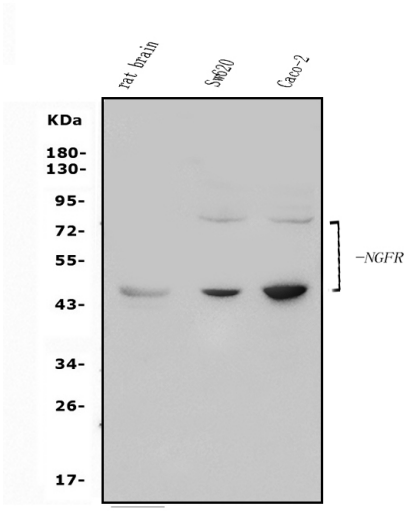
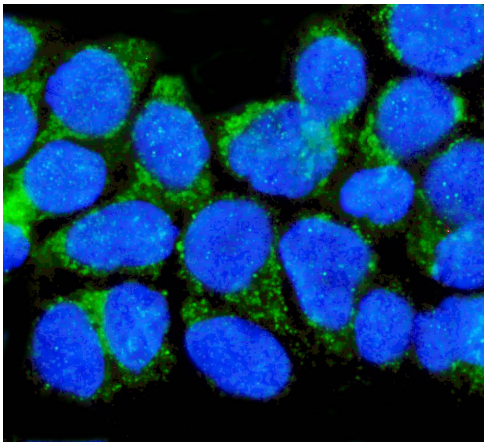
Anti-p75NTR/NGFR Antibody被引用在7文献中。

Selected Validation Data



Western blot analysis of p75NTR/NGFR using anti-p75NTR/NGFR antibody (A01187). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat brain tissue lysates,
Lane 2: human SW620 whole cell lysates,
Lane 3: human CACO-2 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-p75NTR/NGFR antigen affinity purified polyclonal antibody (A01187) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for p75NTR/NGFR at approximately 45 kDa,75 kDa. The expected band size for p75NTR/NGFR is at 45 kDa.



IF analysis of p75NTR/NGFR using anti-p75NTR/NGFR antibody (A01187). p75NTR/NGFR was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-p75NTR/NGFR Antibody (A01187) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

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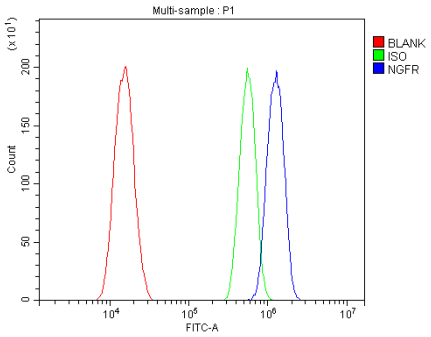

Flow Cytometry analysis of A431 cells using anti-p75NTR/NGFR antibody (A01187).

Overlay histogram showing A431 cells stained with A01187 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-p75NTR/NGFR Antibody (A01187) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.