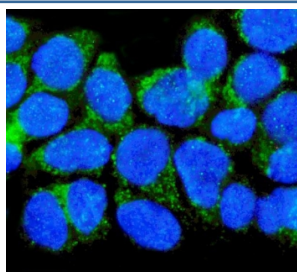


NGF Receptor Antibody / p75 NGF Receptor (RQ5997)

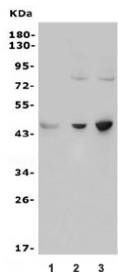
Catalog No.	Formulation	Size
RQ5997	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

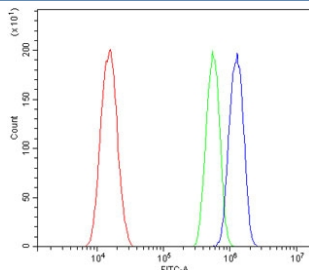
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P08138
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This NGF Receptor antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with NGF Receptor antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat brain, 2) human SW620 and 3) human Caco-2 lysate with NGF Receptor antibody. Predicted molecular weight ~45/75 kDa (unmodified/glycosylated).



Flow cytometry testing of human A431 cells with NGF Receptor antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NGF Receptor antibody.

Description

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.

Application Notes

Optimal dilution of the NGF Receptor antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids K29-Q240) was used as the immunogen for the NGF Receptor antibody.

Storage

After reconstitution, the NGF Receptor antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.