

Anti-NGFR Antibody (8X244)

Product Details

Reactivity:	Human
Molecular Weight:	Theoretical: 44 kDa.
Clone:	8X244
Purification:	Protein A purified

Applications

Verified Activity:	<ol style="list-style-type: none">1. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NGFR Monoclonal Antibody, Unconjugated (TMAB-09459) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.2. Paraformaldehyde-fixed, paraffin embedded Human Prostate; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NGFR Monoclonal Antibody, Unconjugated (TMAB-09459) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.3. Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NGFR Monoclonal Antibody, Unconjugated (TMAB-09459) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.4. Paraformaldehyde-fixed, paraffin embedded Human Uterus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NGFR Monoclonal Antibody, Unconjugated (TMAB-09459) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.5. Paraformaldehyde-fixed, paraffin embedded Human Esophageal Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with NGFR Monoclonal Antibody, Unconjugated (TMAB-09459) at 1:200 overnight at 4°C, followed by conjugation to the HRP and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human NGFR protein
Antigen Species: Human
Gene ID: 4804
Uniprot ID: P08138

Research Background

The low affinity NGFR (Nerve growth factor receptor) is a 75kDa membrane-spanning glycoprotein lacking intrinsic tyrosine kinase activity. p75NGFR interacts with TrkA, the high affinity NGF receptor and potentiates TrkA signaling at low NGF concentrations. The p75 receptor binds nerve growth factor, brain-derived neurotrophic factor, neurotrophin-3 and neurotrophin-4 with varying specificities. The p75NGFR plays an important role in neurotrophic factor signaling and has been shown to modulate the susceptibility of selective cellular populations to programmed cell death. It is expressed on many neuronal cells types including many embryonic forms and the receptor can be used to isolate neuronal progenitor cells. NGF is important for the development, differentiation and survival of a variety of neuronal and non-neuronal cells. Its action is mediated by binding to two distinct receptors, the high affinity p140 and low affinity p75. p75NGFR binds neurotrophins including brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3), NT-4/5, and NT-6. p75NGFR belongs to the TNF-R superfamily and is reported to mediate NGF-induced apoptosis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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