

Mouse anti-Human NGFR Monoclonal Antibody | anti-NGFR antibody

NGFR

CATALOG # AAA59258	HOST Mouse	REACTIVITY Human
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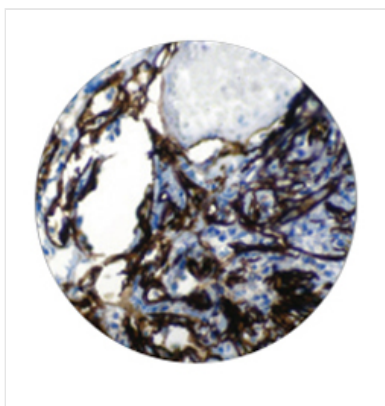
PRODUCT SYNONYMS

NGFR; Monoclonal Antibody; anti-NGFR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	NGFR/c10
Form/Format	NGFR is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Breast, CNS Tumors
Localization	Cytoplasmic
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohistochemistry)

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:500-1:2000	0.1 ml
Concentrated	1:500-1:2000	0.5 ml
Concentrated	1:500-1:2000	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-NGFR antibody	NGFR (Nerve Growth Factor Receptor), also termed p75 or CD271, is the low-affinity NGFR (LNGFR) which binds NGF and other neurotrophins, including BDNF, NT3 and NT4/5 with similar low-affinity. NGFR p75 is a 75 kD transmembrane glycoprotein that is mainly expressed in Schwann cells and neurons and in a variety of non-neuronal cells. NGFR p75 is necessary for regulating neuronal growth, migration, differentiation and cell death during development of the central and peripheral nervous system. NGFR p75 plays a central role in the regulation of cell number by apoptosis in the developing CNS. During early development, activation of NGFR p75 by NGF induces apoptotic cell death in some neuronal cells, probably through activation of the sphingomyelinase/ceramide pathway, the ICE-like proteases and the JNK pathway. CD271 has recently been described as being expressed in mesenchymal stem cells (bone marrow stromal cells). NGFR is expressed not only in sympathetic and sensory neurons, but also in various neural crest cell or tumor derivatives such as melanocytes, Melanomas, Neuroblastomas, Pheochromocytomas, Neurofibromas, and neurotized nevi (Type C melanocytes). It is now apparent that expression of NGFR is ubiquitous and not limited to the nervous system. Studies in Prostate and Urothelial Cancer suggest that NGFR may act as a tumor suppressor, negatively regulating cell growth and proliferation. NGFR labels the myoepithelial cells of breast ducts and intralobular fibroblasts of breast ducts and, thus, aids in the identification of malignancy in the breast.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119615083
NCBI GeneID	4804
UniProt Accession #	P08138 ; B2R961
Molecular Weight	45,183 Da
NCBI Official Full Name	nerve growth factor receptor (TNFR superfamily, member 16)
NCBI Official Synonym Full Names	nerve growth factor receptor
NCBI Official Symbol	NGFR
NCBI Official Synonym Symbols	CD271; p75NTR; TNFRSF16; p75(NTR); Gp80-LNGFR
NCBI Protein Information	tumor necrosis factor receptor superfamily member 16; p75 ICD; NGF receptor; OTTHUMP00000220318; OTTHUMP00000220319; TNFR superfamily, member 16; low affinity nerve growth factor receptor; low affinity neurotrophin receptor p75NTR; low-affinity nerve growth factor receptor
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 16
UniProt Gene Name	NGFR
UniProt Synonym Gene Names	TNFRSF16
UniProt Entry Name	TNR16_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ngfr-antibody-clone-ngfr-c10-elisa/59258>