

Rabbit NGF-Receptor (p75)/CD271 Monoclonal Antibody | anti-NGFR antibody

NGF-Receptor (p75)/CD271 (Soft Tissue Tumor Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214465	Rabbit	Human, Non-human Primates. Does not react with Mouse, Rat. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

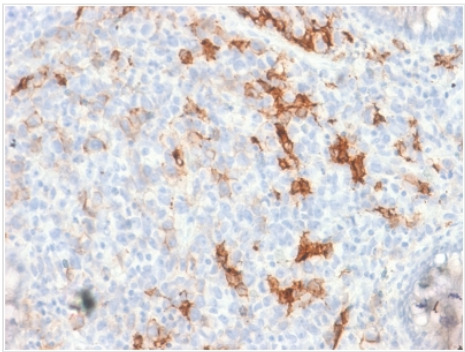
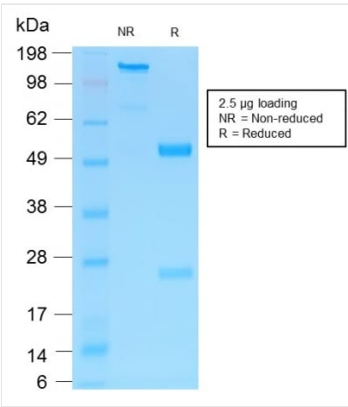
PRODUCT SYNONYMS

NGF-Receptor (p75)/CD271; Monoclonal Antibody; NGF-Receptor (p75)/CD271 (Soft Tissue Tumor Marker); CD271; Gp80-LNGFR; Low affinity nerve growth factor receptor; Low affinity neurotrophin receptor p75NTR; Nerve growth factor receptor (NGFR); p75 ICD; p75 Neurotrophin receptor; Tumor necrosis factor receptor superfamily member 16 (TNFRSF16); anti-NGFR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Non-human Primates. Does not react with Mouse, Rat. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	NGFR/1997R
Specificity	It recognizes a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75NGFR) or Neurotrophin Receptor (p75NTR). NGFR is expressed in various neural crest cells and their tumors such as melanocytes, melanomas, neuroblastomas, pheochromocytomas and neurofibromas. Reportedly, anti-NGFR is a reliable marker for desmoplastic and neurotropic melanomas. NGFR is expressed in mature non-neural cells such as perivascular cells, dental pulp cells, lymphoid follicular dendritic cells, basal epithelium of oral mucosa and hair follicles, prostate basal cells, and myoepithelial cells. Anti-NGFR stains the myoepithelial cells of breast ducts and intra-lobular fibroblasts of breast ducts.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	427
Applicable Applications for anti-NGFR antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human p75 NGFR protein
Cellular Localization	Cell Surface and Cytoplasmic
Hu-chromosome Location	17q21-22
Positive Control	Neuronal axons, Schwann cells, and perineural cells of peripheral nerves, or tumors of nerve sheath differentiation e.g. Schwannoma, Neurofibroma. Soma and axons of sensory neurons, and ganglionic satellite cells. Melanomas.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Melanoma stained with NGFR Rabbit Recombinant Monoclonal Antibody (NGFR/1997R).

SDS-PAGE
SDS-PAGE Analysis of Purified NGFR Rabbit Recombinant Monoclonal Antibody (NGFR/1997R).

ADDITIONAL INFORMATION

References	Wang, W., et al. 2009. Patterns of expression and function of the p75NGFR protein in pancreatic cancer cells and tumours. Eur. J. Surg. Oncol. 35: 826-832. Soland, T.M., et al. 2008. Nerve growth factor receptor (p75NTR) and pattern of invasion predict poor prognosis in oral squamous cell carcinoma. Histopathology 53: 62-72.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505393
NCBI GeneID	4804
NCBI Accession #	NP_002498.1
NCBI GenBank Nucleotide #	NM_002507.3
UniProt Accession #	P08138; B2R961; B4E096
Molecular Weight	75kDa
NCBI Official Full Name	tumor necrosis factor receptor 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
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 16
UniProt Gene Name	NGFR
UniProt Synonym Gene Names	TNFRSF16; NGF receptor

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.