Product Datasheet

NGF Receptor Antibody / p75NTR / CD271 (orb606411)

Catalog Number	orb606411
Description	This antibody is specific for a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75NGFR) or p75 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/p75NTR is a reliable marker for desmoplastic and neurotropic melanomas. It is expressed in mature non-neural cells such as perivascular cells, dental pulp cells, lymphoidal follicular dendritic cells, basal epithelium of oral mucosa and hair follicles, prostate basal cells, and myoepithelial cells. Anti-NGFR/p75NTR stains the myoepithelial cells of breast ducts and intra-lobular fibroblasts of breast ducts.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	Recombinant human protein was used as the immunogen for the recombinant p75NTR antibody.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the recombinant p75NTR antibody should be determined by the researcher.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

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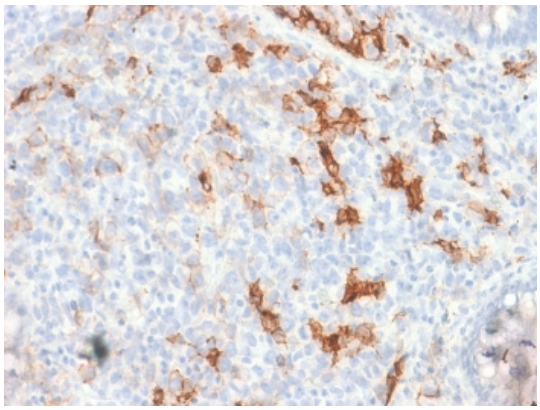
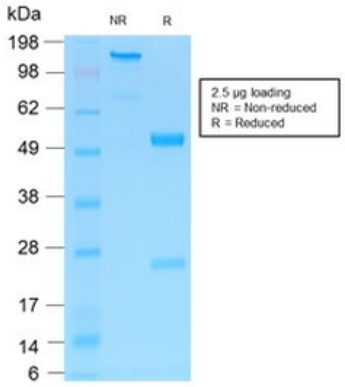
Isotype	Rabbit IgG, kappa
Clonality	Recombinant
Clone Number	NGFR/1997R
Antibody Type	Primary Antibody
Uniprot ID	**P08138**
Hazard Information	This recombinant p75NTR antibody is available for research use only.
Dilution Range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human melanoma tissue with recombinant p75NTR antibody. Required HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant p75NTR antibody (clone NGFR/1997R) as confirmation of integrity and purity.

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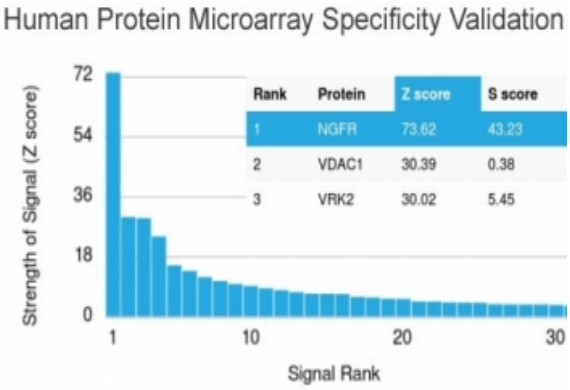
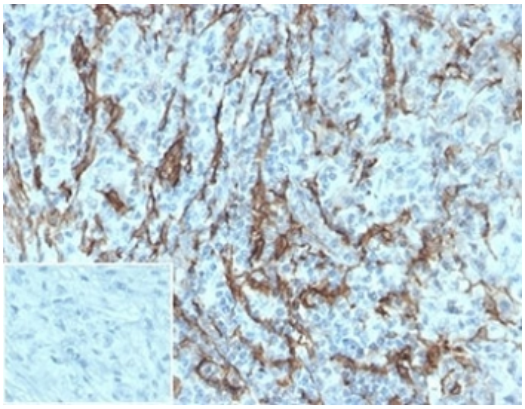
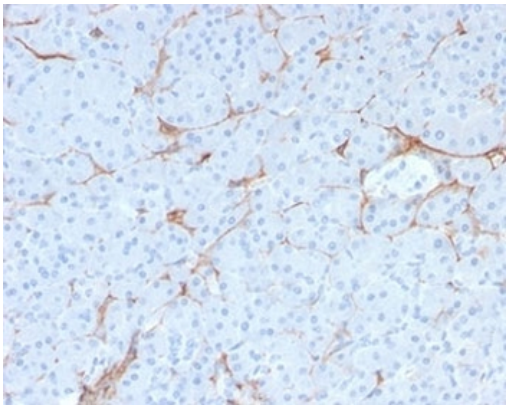


Analysis of HuProt (TM) microarray containing more than 19, 000 full-length human proteins using recombinant p75NTR antibody (clone NGFR/1997R). These results demonstrate the foremost specificity of the NGFR/1997R mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC testing of FFPE human melanoma tissue with recombinant p75NTR antibody. Required HIER: boil tissue sections in pH9 EDTA buffer, for 10-20 min followed by cooling at RT for 20 min. Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding.



IHC testing of FFPE human pancreas tissue with recombinant p75NTR antibody. Required HIER: boil tissue sections in pH9 EDTA buffer, for 10-20 min followed by cooling at RT for 20 min.

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