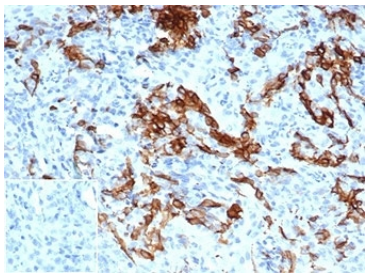
NGFR/TNFRSF16 Antibody / p75NTR / CD271 [clone NGFR/4919] (V9706)

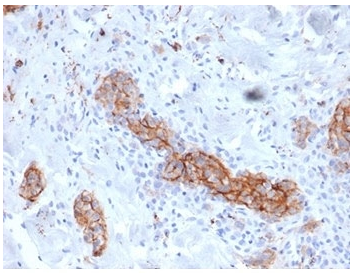
Catalog No.	Formulation	Size
V9706-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9706-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9706SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NGFR/4919
Purity	Protein A/G affinity
UniProt	P08138
Localization	Cell surface, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This NGFR/TNFRSF16 antibody is available for research use only.



IHC staining of FFPE human melanoma tissue with NGFR/TNFRSF16 antibody (clone NGFR/4919) at 2ug/ml. Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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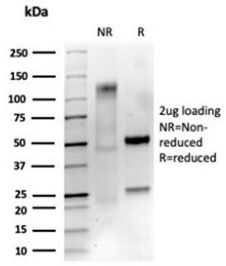
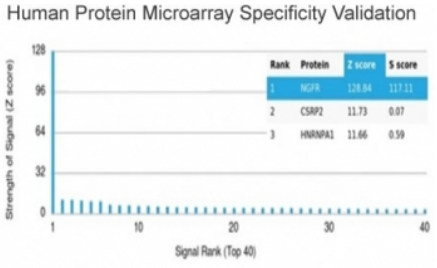


SDS-PAGE analysis of purified, BSA-free NGFR/TNFRSF16 antibody (clone NGFR/4919) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using NGFR/TNFRSF16 antibody (clone NGFR/4919). These results demonstrate the foremost specificity of the NGFR/4919 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.

Description

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, lymphoidal 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.

Application Notes

Optimal dilution of the NGFR/TNFRSF16 antibody should be determined by the researcher.

Immunogen

WM245 melanoma cells of human origin were used as the immunogen for the NGFR/TNFRSF16 antibody.

Storage

Aliquot the NGFR/TNFRSF16 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.