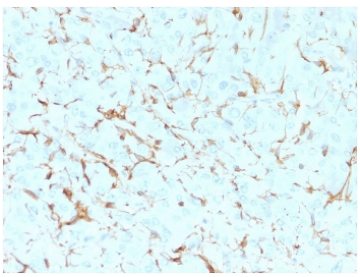
NGF Receptor Antibody [clone SPM299] (V2764)

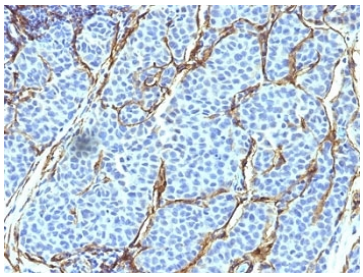
Catalog No.	Formulation	Size
V2764-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2764-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2764SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2764IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

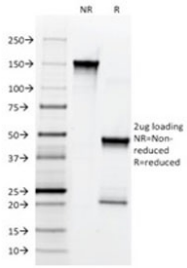
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM299
Purity	Protein G affinity chromatography
UniProt	P08138
Localization	Cell surface and cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This NGF Receptor antibody is available for research use only.



IHC analysis of formalin-fixed, paraffin-embedded human adrenal gland stained with NGF Receptor antibody (clone SPM299).



IHC analysis of formalin-fixed, paraffin-embedded human melanoma stained with NGF Receptor antibody (clone SPM299).



SDS-PAGE analysis of purified, BSA-free NGF Receptor antibody (clone SPM299) as confirmation of integrity and purity.

Description

It recognizes a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75NGFR) or Neurotrophin Receptor (p75NTR). NGF-receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain. NGF is important for the development, differentiation, and survival of variety of neuronal and non-neuronal cells. Its action is mediated by binding two distinct receptors, the high affinity p140 and low affinity p75.

Application Notes

Optimal dilution of the NGF Receptor antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min
2. 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.

Immunogen

NGFR from A875 melanoma cells was used as the immunogen for the NGF Receptor antibody. Its epitope is within amino acids 1-160 of the extracellular domain of NGFR/NTR.

Storage

Store the NGF Receptor antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).