

Product Datasheet

NGF Receptor Antibody (orb749721)

Catalog Number	orb749721
Category	Antibodies
Description	<p>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.</p>
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	<p>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.</p>
UniProt ID	P08138
Tested applications	IHC-P

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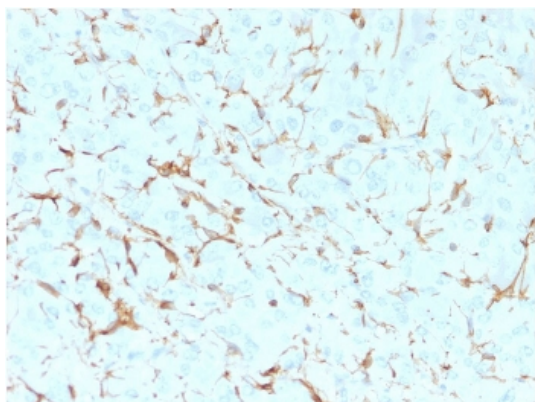
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Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the NGF Receptor antibody should be determined by the researcher.1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min2. 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.
Antibody Type	Primary Antibody
Clone Number	SPM299
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
Expiration Date	12 months from date of receipt.



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

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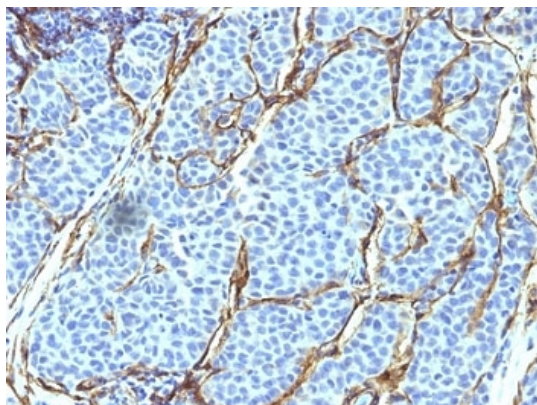
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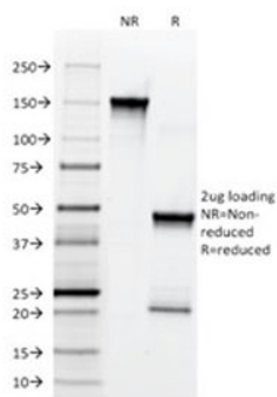
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IHC analysis of formalin-fixed, paraffin-embedded human melanoma stained with NGF Receptor antibody (clone SPM299).



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

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