

## p75NTR Antibody [clone NGFR5] (V2763)

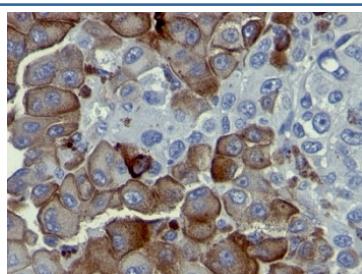
Catalog No.	Formulation	Size
V2763-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2763-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2763SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2763IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



Citations (10)

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	NGFR5
Purity	Protein G affinity chromatography
UniProt	P08138
Localization	Cell surface and cytoplasmic
Applications	Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This p75NTR antibody is available for research use only.



IHC analysis of formalin-fixed, paraffin-embedded human melanoma stained with p75NTR antibody (clone NGFR5).

## 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 p75NTR antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, 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 p75NTR antibody. Its epitope has been localized to amino acids 1-160 of the extracellular domain of NGFR/NTR.

## Storage

Store the p75NTR antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).