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Datasheet for ABIN6940192  
**anti-NGFR antibody**

3 Images

Overview

Quantity:	100 µg
Target:	NGFR
Reactivity:	Human, Rabbit, Cat, Ferret, Monkey, Baboon
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NGFR antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Differentiation (Diff), Staining Methods (StM)

Product Details

Immunogen:	NGFR from A875 melanoma cells
Clone:	NGFR5
Isotype:	IgG1 kappa
Specificity:	It recognizes a glycoprotein of 75 kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75NGFR) or Neurotrophin Receptor (p75NTR). Its epitope spans in aa 1-160 of extracellular domain of NGFR/NTR. 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.

## Product Details

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No Cross-Reactivity: Mouse (Murine), Rat (Rattus)

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Purification: Purified by Protein A/G

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## Target Details

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Target: NGFR

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Alternative Name: NGFR ([NGFR Products](#))

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Molecular Weight: 75kDa

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Gene ID: 4804

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UniProt: [P08138](#)

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Pathways: [NF-kappaB Signaling](#), [Neurotrophin Signaling Pathway](#), [Carbohydrate Homeostasis](#), [Growth Factor Binding](#)

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## Application Details

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Application Notes: Positive Control: Neuronal axons, Schwann cells and perineural cells of peripheral nerves or tumors of nerve sheath differentiation e. G. Schwannoma, Neurofibroma. Soma and axons of sensory neurons and ganglionic satellite cells. Melanomas.  
Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

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Restrictions: For Research Use only

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## Handling

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Concentration: 200 µg/mL

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Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C,-80 °C

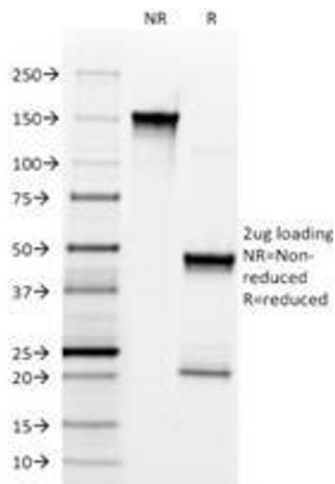
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## Handling

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

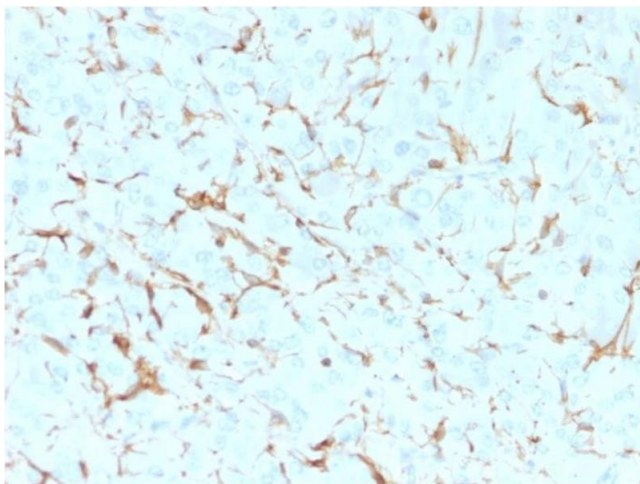
Expiry Date: 24 months

## Images



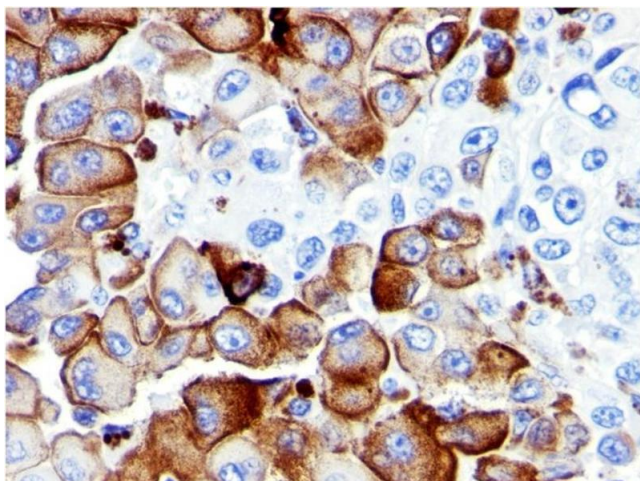
### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified NGFR Mouse Monoclonal Antibody (NGFR5). Confirmation of Purity and Integrity of Antibody.



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Adrenal Gland stained with NGFR Mouse Monoclonal Antibody (NGFR5).



### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Melanoma stained with NGFR Mouse Monoclonal Antibody (NGFR5).