Datasheet for ABIN6940197

Recombinant anti-NGFR antibody

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Overview

Quantity:	100 µg
Target:	NGFR
Reactivity:	Human, Non-Human Primate
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This NGFR antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Differentiation (Diff), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length p75 NGFR protein
Clone:	NGFR-1997R
Isotype:	IgG
Specificity:	It recognizes a glycoprotein of 75 kDa, 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.

Product Details

No Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Purification:	Purified by Protein A/G

Target Details

Target:	NGFR
Alternative Name:	NGFR (NGFR Products)
Molecular Weight:	75kDa
Gene ID:	4804
UniProt:	P08138
Pathways:	NF-kappaB Signaling, Neurotrophin Signaling Pathway, Carbohydrate Homeostasis, Growth Factor Binding

Application Details

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: 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.
Restrictions:	For Research Use only

Handling

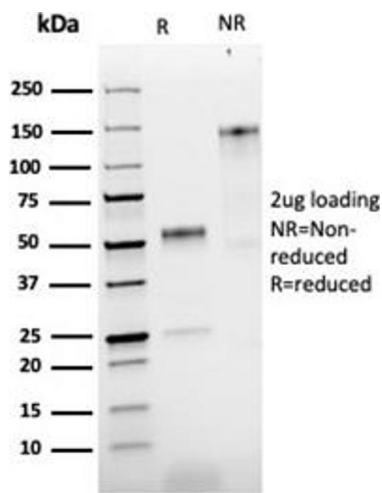|	
Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

<table>
<tr><td></td><td>is stable for 24 months. Non-hazardous. No MSDS required.</td></tr>
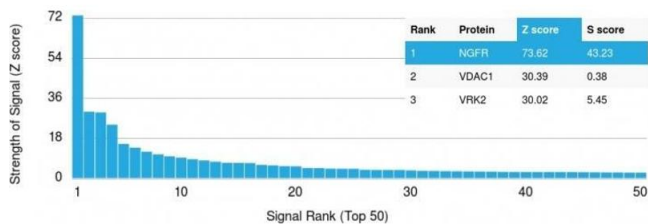<tr><td>Expiry Date:</td><td>24 months</td></tr>
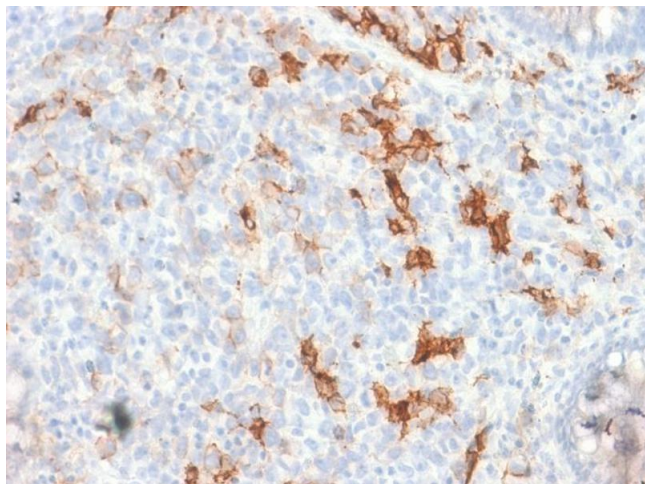</table>

Images

Western Blotting

Image 1. SDS-PAGE Analysis Purified NGFR Rabbit Recombinant Monoclonal Antibody (NGFR/1997R). Confirmation of Purity and Integrity of Antibody.

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using NGFR Rabbit Recombinant Monoclonal Antibody (NGFR/1997R). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to

Images

protein X is equal to 29.

Please check the product details page for more images. Overall 4 images are available for ABIN6940197.