Datasheet for ABIN7043344

anti-NGFR antibody (Extracellular, Stalk Region)

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7 Images

Overview

Quantity:	25 µL
Target:	NGFR
Binding Specificity:	AA 188-203, Extracellular, Stalk Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NGFR antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CEEIPGRWITRSTPPE, corresponding to amino acid residues 188-203 of human p75NTR
Isotype:	IgG
Characteristics:	Anti-p75 NGF Receptor (extracellular) Antibody (ABIN7043344, ABIN7044755 and ABIN7044756)) is a highly specific antibody directed against an extracellular epitope of the human protein. The antibody can be used in western blot, immunoprecipitation, immunohistochemistry, live cell imaging and indirect flow cytometry applications. It has been designed to recognize p75NTR from human, mouse and rat samples.

Product Details

Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	NGFR
Alternative Name:	p75 NGF Receptor (NGFR Products)
Background:	Alternative names: p75 NGF Receptor, p75NTR, p75 Neurotrophin receptor, Low affinity NGF receptor, TNFR superfamily member 16, CD271, NGFR
Gene ID:	4804
NCBI Accession:	NM_002507
UniProt:	P08138
Pathways:	NF-kappaB Signaling, Neurotrophin Signaling Pathway, Carbohydrate Homeostasis, Growth Factor Binding

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

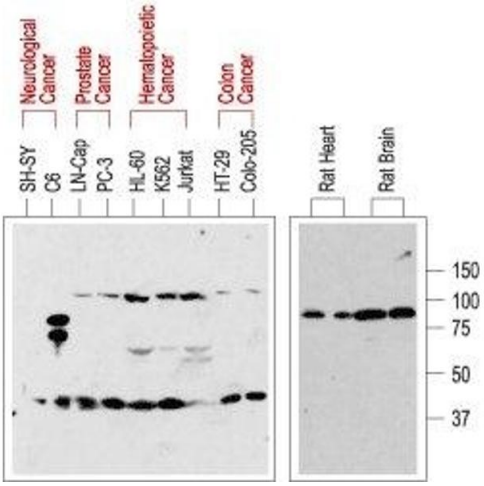
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium 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:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week.

Handling

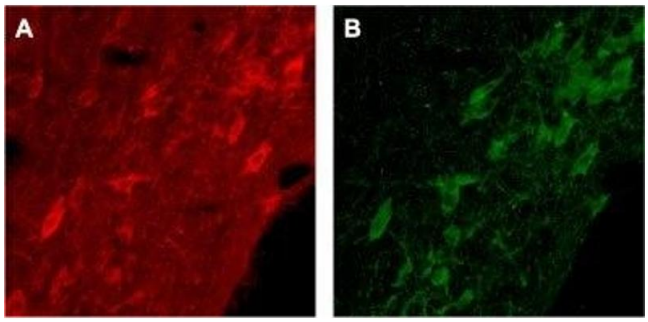
For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

Images



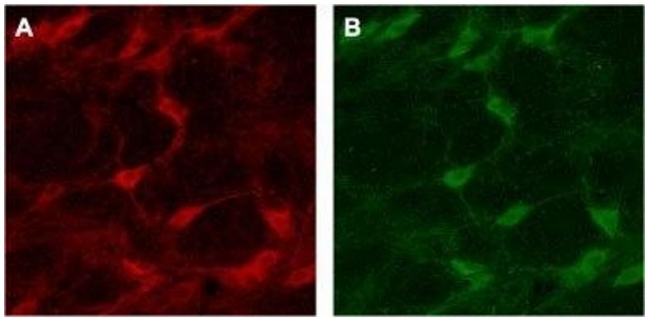
Western Blotting

Image 1. Western blot analysis of normal rat tissue (right) and in human cancer cell lines (left): - p75NTR is visualized with Anti-p75 NGF Receptor (extracellular) Antibody (ABIN7043344, ABIN7044755 and ABIN7044756), (1:200). Note that human cancer cell lines from hemapoietic origin show high p75NTR expression, while cell lines from prostate and colon cancer origin show lower levels. Interestingly, p75NTR from rat (right blot and the C6 cell line) and human (left blot) samples run with a different apparent MW, probably due to species-specific differential glycosylation.



Immunohistochemistry

Image 2. Expression of p75NTR in rat brain - Immunohistochemical staining of rat brain with Anti-p75 NGF Receptor (extracellular) Antibody (ABIN7043344, ABIN7044755 and ABIN7044756). A. Cells in the diagonal band are stained positive for p75NTR. B. Staining of the same section with goat anti-ChAT confirms that p75NTR staining is specific to cholinergic neurons.



Immunohistochemistry

Image 3. Expression of p75NTR in rat brain - Immunohistochemical staining of rat brain with Anti-p75 NGF Receptor (extracellular) Antibody (ABIN7043344, ABIN7044755 and ABIN7044756). A. Cells in the nucleus basalis mangocellularis are stained positive for p75NTR. B. Staining of the same section with goat anti-ChAT confirms that the p75NTR staining is specific to cholinergic neurons.

Please check the product details page for more images. Overall 7 images are available for ABIN7043344.