

ARG41435 anti-CD271 / NGFR p75 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD271 / NGFR p75
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD271 / NGFR p75
Species	Human
Immunogen	Synthetic peptide of Human CD271 / NGFR p75.
Conjugation	Un-conjugated
Alternate Names	Gp80-LNGFR; CD271; CD antigen CD271; p75 ICD; Tumor necrosis factor receptor superfamily member 16; p75NTR; NGF receptor; TNFRSF16; p75(NTR); Low affinity neurotrophin receptor p75NTR; Low-affinity nerve growth factor receptor

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:10000 - 1:20000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	C6	
Observed Size	~ 73 kDa	

Properties

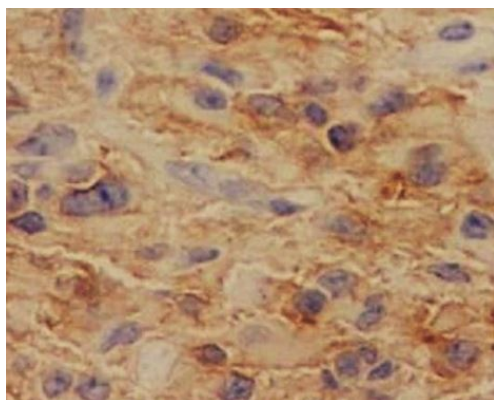
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NGFR
Gene Full Name	nerve growth factor receptor
Background	Nerve growth factor 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. [provided by RefSeq, Jul 2008]
Function	Plays a role in the regulation of the translocation of GLUT4 to the cell surface in adipocytes and skeletal muscle cells in response to insulin, probably by regulating RAB31 activity, and thereby contributes to the regulation of insulin-dependent glucose uptake (By similarity). Low affinity receptor which can bind to NGF, BDNF, NT-3, and NT-4. Can mediate cell survival as well as cell death of neural cells. Necessary for the circadian oscillation of the clock genes ARNTL/BMAL1, PER1, PER2 and NR1D1 in the suprachiasmatic nucleus (SCN) of the brain and in liver and of the genes involved in glucose and lipid metabolism in the liver. [UniProt]
Calculated Mw	45 kDa
PTM	N- and O-glycosylated. O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc. Phosphorylated on serine residues. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG41435 anti-CD271 / NGFR p75 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human glioma tissue stained with ARG41435 anti-CD271 / NGFR p75 antibody.

ARG41435 anti-CD271 / NGFR p75 antibody WB image

Western blot: C6 cell lysate stained with ARG41435 anti-CD271 / NGFR p75 antibody.

