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Datasheet for ABIN2855341
anti-NGFR antibody

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Overview

Quantity:	100 μL
Target:	NGFR
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NGFR antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human p75 NGF Receptor / CD271. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to p75 NGF Receptor (nerve growth factor receptor (TNFR superfamily, member 16)) p75 NGF Receptor antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NGFR
Alternative Name:	nerve growth factor receptor (NGFR Products)
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. Cellular Localization: Membrane, Single-pass type I membrane protein
Molecular Weight:	45 kDa
Gene ID:	4804
UniProt:	P08138
Pathways:	NF-kappaB Signaling, Neurotrophin Signaling Pathway, Carbohydrate Homeostasis, Growth Factor Binding

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IHC-Fr: 1:100-1:1000. FACS: Assay dependent. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: PC-12 , mouse brain , rat brain Validation: Orthogonal
Restrictions:	For Research Use only

Handling

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Format:	Liquid
Concentration:	0.43 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

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Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in:	Shirozu, Iwano, Ogiso, Suzuki, Balboula, Bai, Kawahara, Kimura, Takahashi, Rulan, Kim, Yanagawa, Nagano, Imakawa, Takahashi: "Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium." in: **The Journal of reproduction and development**, Vol. 63, Issue 3, pp. 211-220, (2018) (PubMed).

Images
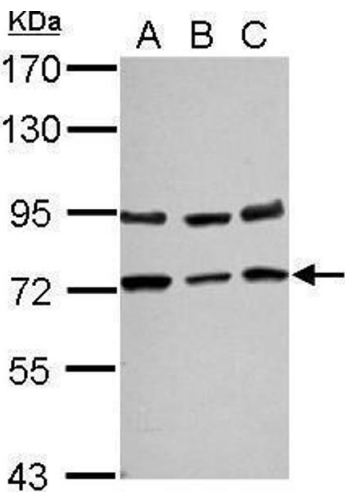
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: NT2D1 B: PC-3 C: U87-MG 7.5% SDS PAGE antibody diluted at 1:2000
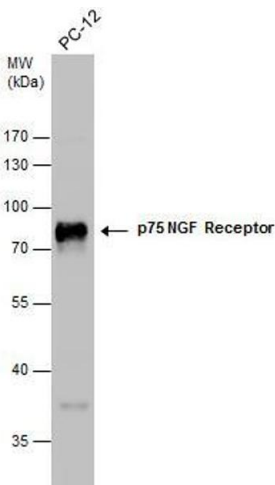
Western Blotting

Image 2. WB Image p75 NGF Receptor antibody detects p75 NGF Receptor protein by western blot analysis. Whole cell extracts (30 µg) was separated by 10% SDS-PAGE, and the membrane was blotted with p75 NGF Receptor antibody , at a dilution of 1:2000.