

CD271 (PTR1479) Mouse mAb

CatalogNo: YM960214 **Recombinant** 

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- IHC, WB, IF

MW

- 45kD (Calculated)
- 68kD (Observed)

Isotype

- Mouse IgG1/Kappa

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:3000-1:15000**

Basic Information

Clonality Monoclonal**Clone Number** PTR1479

Immunogen Information

Specificity Endogenous

Target Information

Gene name NGFR

Protein Name Tumor necrosis factor receptor superfamily member 16

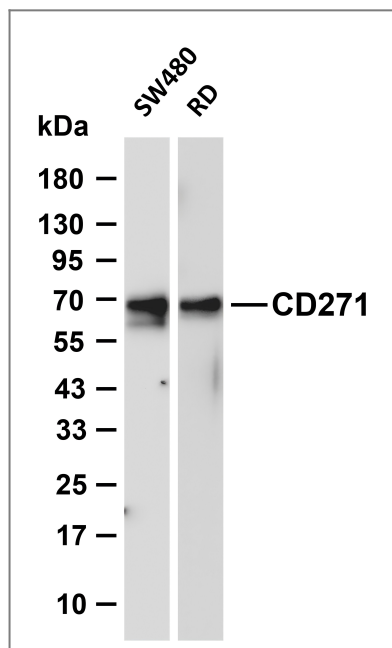
Organism	Gene ID	UniProt ID
Human	4804 ;	P08138 ;
Mouse		Q9Z0W1 ;
Rat	24596 ;	P07174 ;

Cellular Localization Cell membrane ; Single-pass type I membrane protein . Perikaryon . Cell projection, growth cone . Cell projection, dendritic spine .

Tissue specificity Brain,

Function Domain:Death domain is responsible for interaction with RANBP9.,Domain:The extracellular domain is responsible for interaction with NTRK1.,Function: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.,PTM:N- and O-glycosylated.,PTM:O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc.,PTM:Phosphorylated on serine residues.,similarity:Contains 1 death domain.,similarity:Contains 4 TNFR-Cys repeats.,subunit:Homodimer; disulfide-linked. Interacts with p75NTR-associated cell death executor. Interacts with TRAF2, TRAF4, TRAF6, PTPN13 and RANBP9. Interacts through TRAF6 with SQSTM1 which bridges NGFR to NTRK1. Interacts with BEX1 and NGFRAP1/BEX3. Interacts with KIDINS220 and NTRK1. Can form a ternary complex with NTRK1 and KIDINS220 and this complex is affected by the expression levels of KIDINS220. An increase in KIDINS220 expression leads to a decreased association of NGFR and NTRK1 (By similarity). Interacts with LINGO1.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD271 (PTR1479) antibody. The HRP-conjugated Goat anti-Mouse IgG (H + L) antibody was used to detect the antibody. Lane 1: SW480 Lane 2: RD Predicted band size: 45kDa Observed band size: 68kDa

Contact information

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CD271 (PTR1479)
Mouse mAb

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