Product datasheet

Anti-p75 NGF Receptor antibody [MLR2] ab61425

Overview

Product name
Anti-p75 NGF Receptor antibody [MLR2]

Description
Mouse monoclonal [MLR2] to p75 NGF Receptor

Host species
Mouse

Tested applications
Suitable for: Flow Cyt, ELISA, Competitive ELISA, ICC/IF
Unsuitable for: WB

Species reactivity
Reacts with: Mouse, Rat, Human

Immunogen
Human p75 coupled to an Fc fragment

Positive control
Motor neurons in spinal cord with lesioned sciatic nerve

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer
Preservative: None
Constituents: PBS

Purity
Protein G purified

Purification notes
ab61425 was purified using Protein G column (Amersham Pharmacia), polished with Sephacryl 200HR (Amersham Pharmacia) in PBS and then lyophilized. Purity was analysed using electrophoresis, 4-12% Bis Tris Gel (Invitrogen).

Clonality
Monoclonal

Clone number
MLR2

Isotype
IgG2a

Applications

Our Abpromise guarantee covers the use of ab61425 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Application notes

Is unsuitable for WB.

Target

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.

Sequence similarities

Contains 1 death domain.
Contains 4 TNFR-Cys repeats.

Domain

Death domain is responsible for interaction with RANBP9.
The extracellular domain is responsible for interaction with NTRK1.

Post-translational modifications

N- and O-glycosylated.
O-linked glycans consist of Gal(1-3)GalNAc core elongated by 1 or 2 NeuNAc.
Phosphorylated on serine residues.

Cellular localization

Membrane.

Images

Flow Cytometry - p75 NGF Receptor antibody [MLR2] (ab61425)
Ab61425 uptake into mesenteric nerves following in vivo administration into adult rat.

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