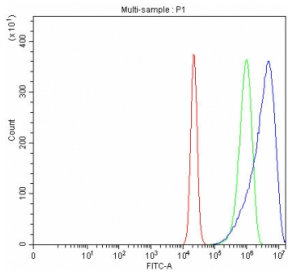
NUMB Antibody (RQ8514)

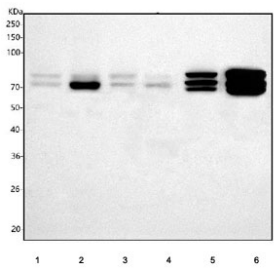
Catalog No.	Formulation	Size
RQ8514	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human, Monkey, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P49757
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This NUMB antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human RT4 cells with NUMB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NUMB antibody.



Western blot testing of 1) human HeLa, 2) human U-87 MG, 3) human RT4, 4) monkey COS-7, 5) rat brain and 6) mouse brain tissue lysate with NUMB antibody. Predicted molecular weight: 37-72 kDa (multiple isoforms including p65, p66 and p72).

Description

Protein numb homolog is a protein that in humans is encoded by the NUMB gene. It is mapped to 14q24.2 to q24.3. The encoded protein, whose degradation is induced in a proteasome-dependent manner by MDM2, is a membrane-bound protein that has been shown to associate with EPS15, LNX1, and NOTCH1. The primary function of Numb in cell differentiation is as an inhibitor of Notch signaling which is essential for maintaining self-renewal potential in stem and progenitor cells. Numb also plays a crucial role in asymmetrical cell division during development, allowing for differential cell fate specification in the central and peripheral nervous systems. WhatÃ¯Â¿Â½s more, the numb gene protein product controls binary cell fate decisions in the peripheral and central nervous systems of both invertebrates and mammals during neurogenesis.

Application Notes

Optimal dilution of the NUMB antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids E59-A567) was used as the immunogen for the NUMB antibody.

Storage

After reconstitution, the NUMB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.