

NUMBL Antibody (N-Term)

Peptide-affinity purified goat antibody Catalog # AF2364a

Specification

NUMBL Antibody (N-Term) - Product Information

Application WB, E
Primary Accession Q9Y6R0

Other Accession NP 004747.1, 9253, 18223 (mouse)

Reactivity
Predicted
Host
Clonality
Concentration
Human
Mouse, Rat
Goat
Polyclonal
O.5 mg/ml

Isotype IgG
Calculated MW 64891

NUMBL Antibody (N-Term) - Additional Information

Gene ID 9253

Other Names

Numb-like protein, Numb-related protein, Numb-R, NUMBL

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NUMBL Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

NUMBL Antibody (N-Term) - Protein Information

Name NUMBL

Function

Plays a role in the process of neurogenesis. Required throughout embryonic neurogenesis to maintain neural progenitor cells, also called radial glial cells (RGCs), by allowing their daughter cells to choose progenitor over neuronal cell fate. Not required for the proliferation of neural



progenitor cells before the onset of embryonic neurogenesis. Also required postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity. Negative regulator of NF-kappa-B signaling pathway. The inhibition of NF-kappa-B activation is mediated at least in part, by preventing MAP3K7IP2 to interact with polyubiquitin chains of TRAF6 and RIPK1 and by stimulating the 'Lys-48'-linked polyubiquitination and degradation of TRAF6 in cortical neurons.

Cellular Location

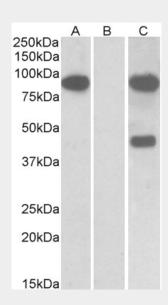
Cytoplasm. Note=Symmetrically distributed throughout the cytoplasm in non dividing neuroblasts of the CNS.

NUMBL Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NUMBL Antibody (N-Term) - Images



HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human Numbl with C-terminal MYC tag probed with AF2364a (1ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with AF2364a (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

NUMBL Antibody (N-Term) - References

Progenitor cell maintenance requires numb and numblike during mouse neurogenesis. Petersen PH, Zou K, Hwang JK, Jan YN, Zhong W. Nature. 2002 Oct 31;419(6910):929-34. PMID: 12410312