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NUMBL Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14081B

Specification

NUMBL Antibody (C-term) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q9Y6R0
Other Accession	NP_004747.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**64891**
Antigen Region	**572-600**

NUMBL Antibody (C-term) - Additional Information

Gene ID 9253

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

Target/Specificity
This NUMBL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 572-600 amino acids from the C-terminal region of human NUMBL.

Dilution
IHC-P~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
NUMBL Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NUMBL Antibody (C-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.

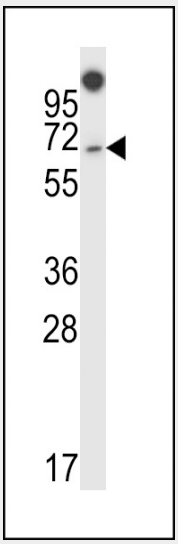
Cellular Location
Cytoplasm. Note=Symmetrically distributed throughout the cytoplasm in non dividing neuroblasts of the CNS.

NUMBL Antibody (C-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 (C-term) - Images



NUMBL Antibody (C-term) (Cat. #AP14081b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the NUMBL antibody detected the NUMBL protein (arrow).

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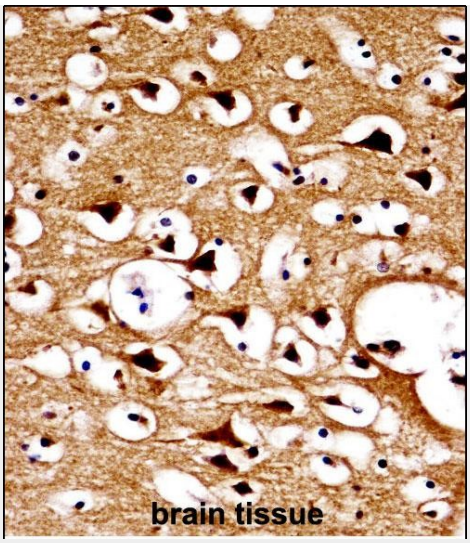

NUMBL Antibody (C-term) (AP14081b)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of NUMBL Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

NUMBL Antibody (C-term) - Background

NUMBL 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.

NUMBL Antibody (C-term) - References

Zhou, L., et al. Biochem. Biophys. Res. Commun. 392(3):409-414(2010)
Blom, T., et al. Cancer Genet. Cytogenet. 186(2):103-109(2008)
Ma, Q., et al. Cell. Signal. 20(6):1044-1051(2008)
Passos Gregorio, S., et al. Schizophr. Res. 88 (1-3), 275-282 (2006) :
Olsen, J.V., et al. Cell 127(3):635-648(2006)