

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

---

**NUMBL Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O9Y6R0</a>
Other Accession	<a href="#">NP_004747.1</a>
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**

WB~~1:1000

IHC-P~~1:10~50

**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

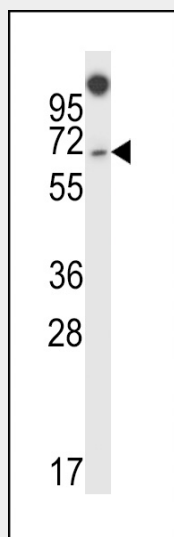
Cytoplasm. Note=Symmetrically distributed throughout the cytoplasm in non dividing neuroblasts of the CNS.

#### NUMBL Antibody (C-term) - Protocols

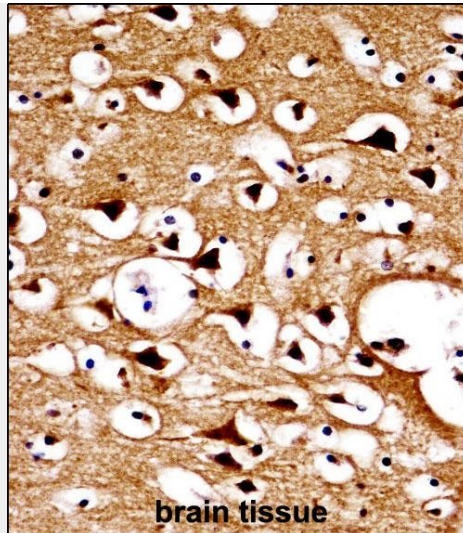
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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).



brain tissue

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)