

NUMB Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS14826**Specification**

NUMB Antibody (C-Terminus) - Product Information

Application	IF, WB, IHC
Primary Accession	P49757
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	71kDa KDa

NUMB Antibody (C-Terminus) - Additional Information**Gene ID** 8650**Other Names**

Protein numb homolog, h-Numb, Protein S171, NUMB

Target/Specificity

Human NUMB. At least four isoforms of NUMB are known to exist; this antibody will detect all of them.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

NUMB Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

NUMB Antibody (C-Terminus) - Protein Information**Name** NUMB ([HGNC:8060](#))**Function**

Regulates clathrin-mediated receptor endocytosis (PubMed:18657069). Plays a role in the process of neurogenesis (By similarity). 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 (By similarity). Not required for the proliferation of neural progenitor cells before the onset of neurogenesis. Also involved postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity (By similarity). May also mediate local repair of brain ventricular wall damage (By similarity).

Cellular Location

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Endosome membrane; Peripheral

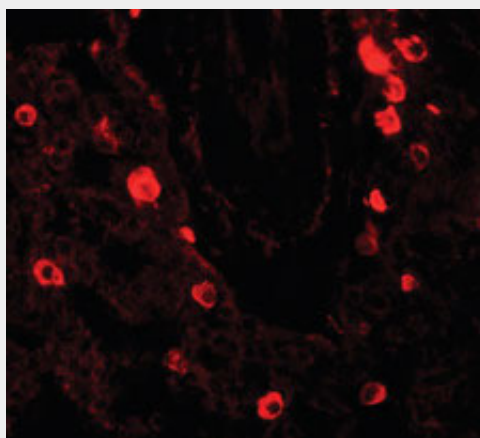
membrane protein; Cytoplasmic side. Note=Localizes to perinuclear endosomes in an AAK1-dependent manner.

NUMB Antibody (C-Terminus) - Protocols

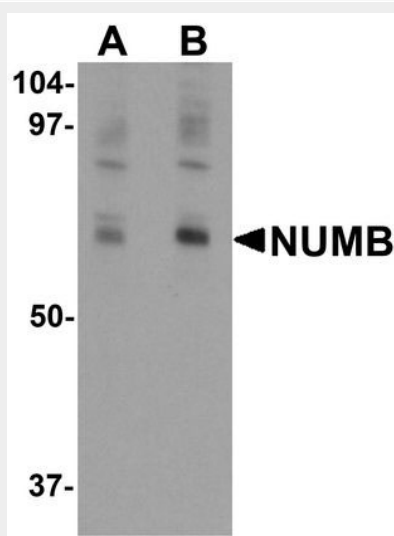
Provided below are standard protocols that you may find useful for product applications.

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

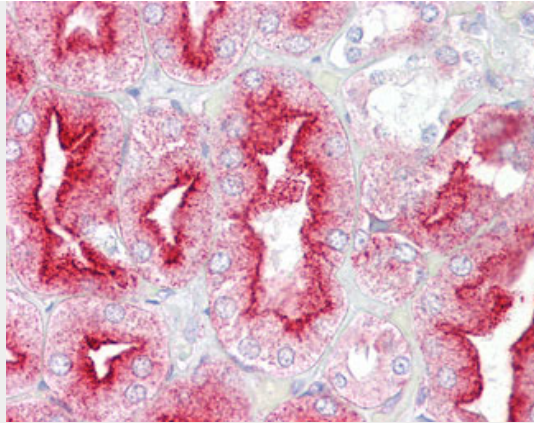
NUMB Antibody (C-Terminus) - Images



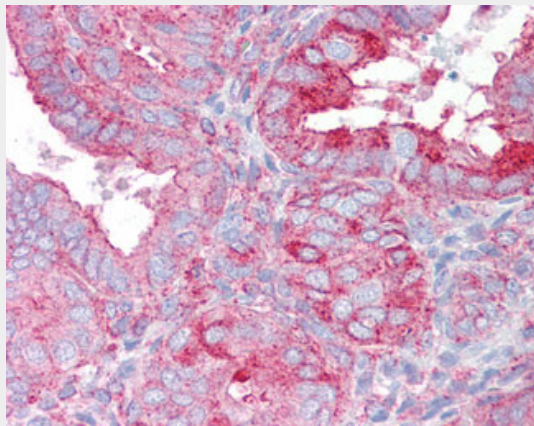
Immunofluorescence of NUMB in human lung tissue with NUMB antibody at 20 ug/ml.



Western blot analysis of NUMB in mouse lung tissue lysate with NUMB antibody at (A) 0.25 and (B)...



Anti-NUMB antibody IHC of human kidney.



Anti-NUMB antibody IHC of human uterus.

NUMB Antibody (C-Terminus) - Background

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 neurogenesis. Also involved postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity. May also mediate local repair of brain ventricular wall damage.

NUMB Antibody (C-Terminus) - References

Salcini A.E.,et al.Genes Dev. 11:2239-2249(1997).
Verdi J.M.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:10472-10476(1999).
Haider M.,et al.Placenta 32:441-449(2011).
Ye Q.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).