

NUMB Antibody (N-term G94) Blocking Peptide
Synthetic peptide
Catalog # BP2756a**Specification**

NUMB Antibody (N-term G94) Blocking Peptide - Product InformationPrimary Accession [P49757](#)**NUMB Antibody (N-term G94) Blocking Peptide - Additional Information****Gene ID** 8650**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2756a](/products/AP2756a) was selected from the N-term region of human NUMB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NUMB Antibody (N-term G94) Blocking Peptide - Protein Information**Name** NUMB ([HGNC:8060](#))**Function**

Regulates clathrin-mediated receptor endocytosis (PubMed:[18657069](http://www.uniprot.org/citations/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 (N-term G94) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NUMB Antibody (N-term G94) Blocking Peptide - Images

NUMB Antibody (N-term G94) Blocking Peptide - Background

NUMB plays a role in the determination of cell fates during development. This 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.

NUMB Antibody (N-term G94) Blocking Peptide - References

Colaluca, I.N., Nature 451 (7174), 76-80 (2008) Maiorano, E., Int J Immunopathol Pharmacol 20 (4), 779-789 (2007) Nishimura, T. Dev. Cell 13 (1), 15-28 (2007)