Rabbit NUMB Polyclonal Antibody | anti-NUMB antibody

Phospho-NUMB (Ser276) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329458	**Rabbit**	**Human, Mouse, RatPredicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)**	**ELISA, Western Blot**

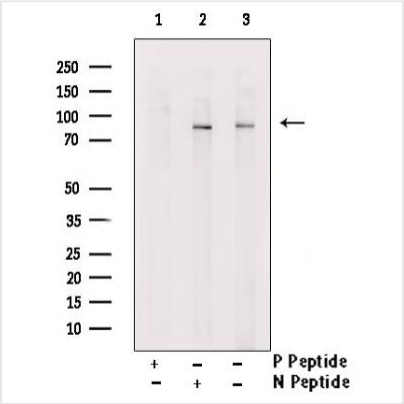
PRODUCT SYNONYMS

NUMB; Polyclonal Antibody; Phospho-NUMB (Ser276) Antibody; c14_5527; C14orf41; FLJ31314; h Numb; h-Numb; Numb; Numb homolog (Drosophila); Numb homolog; Numb protein homolog; NUMB_HUMAN; Protein numb homolog; Protein S171; S171; anti-NUMB antibody

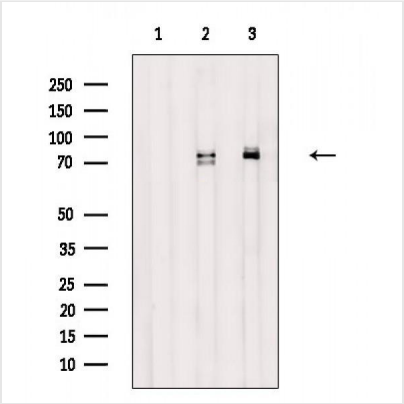
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-NUMB (Ser276) Antibody detects endogenous levels of NUMB only when phosphorylated at Ser276.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NUMB antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NUMB around the phosphorylation site of Ser276.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated on Ser-276 and Ser-295 by CaMK1.Isoform 1 and isoform 2 are ubiquitinated by LNX leading to their subsequent proteasomal degradation (By similarity). Ubiquitinated; mediated by SIAH1 and leading to its subsequent proteasomal degradation.
Subunit Structure	Interacts with CDH1 and TFAP2B (By similarity). Interacts with EPS15, LNX and NOTCH1. May interact with DUOXA1. Interacts with RALBP1 in a complex also containing EPN1 and TFAP2A during interphase and mitosis.
Subcellular Location	Membrane>Peripheral membrane protein.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HeLa , using Phospho-Numb (Ser276) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using Phospho-NUMB (Ser276) Antibody.Lane 1: Hela cells(1hUV treatment), blocked with antigen-specific peptides,Lane 2: Hela cells(1hUV treatment),Lane 3: K562 cells(serum starvation treatment).

ADDITIONAL INFORMATION

Related Product Information for anti-NUMB antibody	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54144625
NCBI GeneID	8650
NCBI Accession #	NP_1005743
NCBI GenBank Nucleotide #	NM_001005743.1
UniProt Accession #	P49757; Q6NUQ7; Q86SY1; Q8WW73; Q9UBG1; Q9UEQ4; B1P2N5; B1P2N6; B1P2N7; B1P2N8; B1P2N9; B4E2B1
Molecular Weight	37,396 Da
NCBI Official Full Name	protein numb homolog isoform 1
NCBI Official Synonym Full Names	numb homolog (Drosophila)
NCBI Official Symbol	NUMB
NCBI Official Synonym Symbols	S171; C14orf41; c14_5527
NCBI Protein Information	protein numb homolog; h-Numb
UniProt Protein Name	Protein numb homolog
UniProt Gene Name	**NUMB**
UniProt Synonym Gene Names	h-Numb
UniProt Entry Name	NUMB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.