

Rabbit NUMBL Polyclonal Antibody | anti-NUMBL antibody

NUMBL Antibody

CATALOG # AAA326622	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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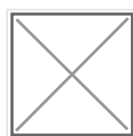
PRODUCT SYNONYMS

NUMBL; Polyclonal Antibody; NUMBL Antibody; CAG 3A; CAG3A; CTG 3a; CTG3a; NBL; NUMB Drosophila Homolog Like; Numb homolog (Drosophila) like; Numb homolog like; Numb like protein; NUMB R; Numb-like protein; Numb-R; Numb-related gene; Numb-related protein; NUMBL_HUMAN; NUMBLIKE; NUMBR; TNRC 23; TNRC23; Trinucleotide repeat-containing gene 23; anti-NUMBL antibody

PRODUCT SPECIFICATIONS

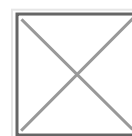
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NUMBL antibody detects endogenous levels of total NUMBL
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	568
Applicable Applications for anti-NUMBL antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NUMBL
Subcellular Location	Cytoplasm. Symmetrically distributed throughout the cytoplasm in non dividing neuroblasts of the CNS.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (83%), Bovine (100%), Horse (89%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326622 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of kidney, using NUMBL antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NUMBL antibody	Description: Numb-like (Numbl or Nbl) binds Notch and is an intracellular modulator of Notch signaling pathway. Numbl contains a phosphotyrosine binding (PTB) domain that could bind the Y682 motif present in the cytoplasmic tail of APP. Deduced molecular weight of Numbl is 72 kDa. 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. Subunit Structure: Interacts (via PTB domain) with MAP3K7IP2 (via C-terminal). Interacts (via C-terminal) with TRAF6 (via TRAF domains). Associates with EPS15 and NOTCH1. Similarity: The PTB domain is necessary for the inhibition of MAP3K7IP2-mediated activation of NF-kappa-B.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	586798132
NCBI GeneID	9253
NCBI Accession #	NP_001276908.1
NCBI GenBank Nucleotide #	NM_001289979.1
UniProt Accession #	Q9Y6R0; Q7Z4J9
Molecular Weight	Observed: 65 kDa Predicted: 65 kDa
NCBI Official Full Name	numb-like protein isoform b
NCBI Official Synonym Full Names	NUMB like, endocytic adaptor protein
NCBI Official Symbol	NUMBL
NCBI Official Synonym Symbols	NBL; CAG3A; CTG3a; NUMBR; NUMB-R; TNRC23; NUMBLIKE
NCBI Protein Information	numb-like protein
UniProt Protein Name	Numb-like protein
UniProt Gene Name	NUMBL
UniProt Synonym Gene Names	Numb-R

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.