BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Protein numb homolog NUMB Antibody

Catalog Number: A01206

About NUMB

NUMB, the mammalian homolog to the Drosophila asymmetric cell fate determinant NUMB, is thought to share several features molecular mechanisms in mammalian cells, generating asymmetric cell divisions during neurogenesis in vertebrate development as well as in hematopoietic stem cells. NUMB has been shown to inhibit Notch signaling, and is itself regulated by ubiquitinylation by MDM2. NUMB has also been shown to help activate the tumor suppressor p53, suggesting that loss of NUMB in cancerous cells would not only activate the potential oncogene Notch, but diminish the tumor suppressing effect of p53.

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Overview

Product Name	Anti-Protein numb homolog NUMB Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protein numb homolog NUMB Antibody (Catalog # A01206). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	NUMB Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	NUMB antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P49757

Technical Details

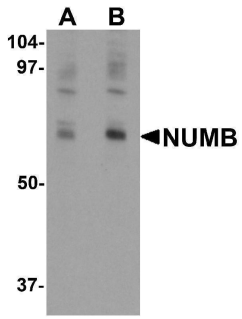
Immunogen	NUMB antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human NUMB. The immunogen is located within the last 50 amino acids of NUMB.
Predicted Reactive Species	Boar, Bovine, Cat, Mouse, Rat
Cross Reactivity	At least four isoforms of NUMB are known to exist; this antibody will detect all of them.

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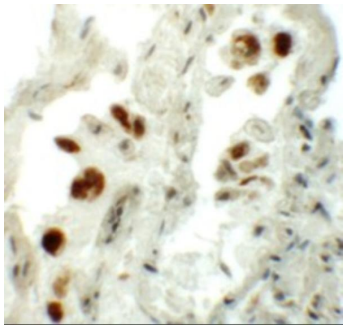
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	NUMB Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	NUMB antibody can be used for detection of NUMB by Western blot at 0.25 - 0.5 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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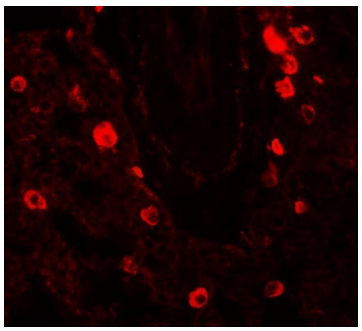
Anti-Protein numb homolog NUMB Antibody (A01206) Images



Western blot analysis of NUMB in mouse lung tissue lysate with NUMB antibody at (A) 0.25 and (B) 0.5 ug/mL.



Immunohistochemistry of NUMB in human lung tissue with NUMB antibody at 5 ug/mL.



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

Anti-Protein numb homolog NUMB Antibody

For Research Use Only. Not for use in diagnostic procedures.