ARG63278
anti-NUMB antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes NUMB
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Dog
Tested Application	ICC/IF, IHC-P, WB
Specificity	This antibody is expected to recognize all reported isoforms (NP_001005743.1, 001005744.1, NP_003735, NP_001005745.1). It is also likely to cross-react with Numblike (NUMBL, GeneID: 9253) which has a very similar C-Terminus, although this has not yet been tested experimentally.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	NUMB
Species	Human
Immunogen	C-PFSSDLQKTFEIEL
Conjugation	Un-conjugated
Alternate Names	c14_5527; C14orf41; Protein S171; S171; h-Numb; Protein numb homolog

Application Instructions

Application table

Application	Dilution
ICC/IF	10 µg/ml
IHC-P	5 µg/ml
WB	1 - 2 µg/ml

Application Note: WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Mouse brain

Observed Size: ~ 76 kDa

Properties

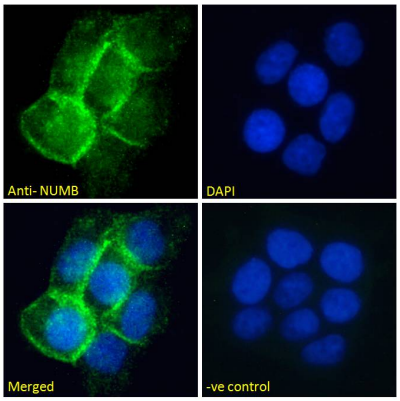
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.

Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

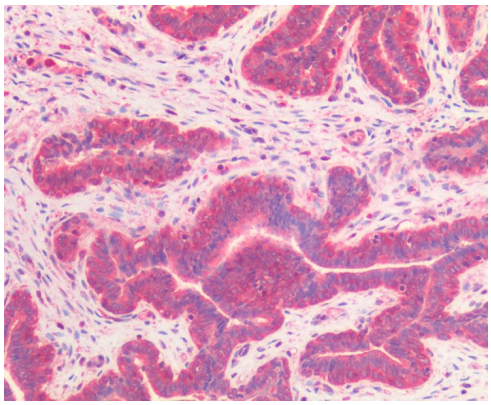
Database links	GeneID: 18222 Mouse GeneID: 8650 Human Swiss-port # P49757 Human Swiss-port # Q9QZS3 Mouse
Background	The protein encoded by this gene plays a role in the determination of cell fates during development. The encoded protein, whose degradation is induced in a proteasome-dependent manner by MDM2, is a membrane-bound protein that has been shown to associate with EPS15, LNX1, and NOTCH1. Four transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Research Area	Developmental Biology antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	71 kDa
PTM	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.

Images



ARG63278 anti-NUMB antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A431 cells permeabilized with 0.15% Triton. Cells were stained with ARG63278 anti-NUMB antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.

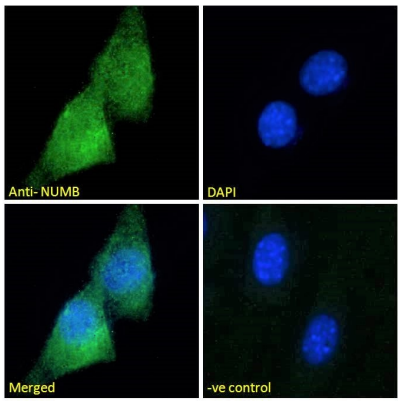


ARG63278 anti-NUMB antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63278 anti-NUMB antibody at 5 µg/ml dilution followed by AP-staining.

ARG63278 anti-NUMB antibody WB image

Western blot: 35 µg of Mouse brain lysate (in RIPA buffer) stained with ARG63278 anti-NUMB antibody at 1 µg/ml dilution and incubated at RT for 1 hour.



ARG63278 anti-NUMB antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed NIH/3T3 cells permeabilized with 0.15% Triton. Cells were stained with ARG63278 anti-NUMB antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.