
Product Name: KD-Validated NUMB Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00170**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 70.8kDa

Antigen Information

Gene Name	NUMB NUMB Endocytic Adaptor Protein; C14orf41; Protein Numb Homolog; H-Numb;
Alternative Names	Chromosome 14 Open Reading Frame 41; Numb (Drosophila) Homolog; Numb Homolog (Drosophila); Numb Homolog; Protein S171; C14_5527; S171
Gene ID	8650.0
SwissProt ID	P49757
Immunogen	A synthesized peptide derived from human NUMB

Background

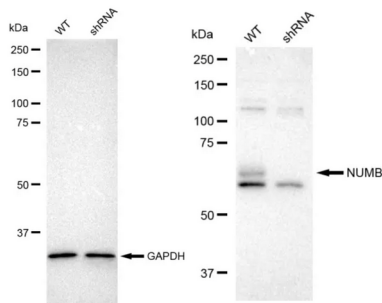
The protein encoded by this gene plays a role in the determination of cell fates during development. The encoded protein, whose degradation is induced in a proteasome-dependent manner by MDM2, is a membrane-bound protein that has been

shown to associate with EPS15, LNX1, and NOTCH1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

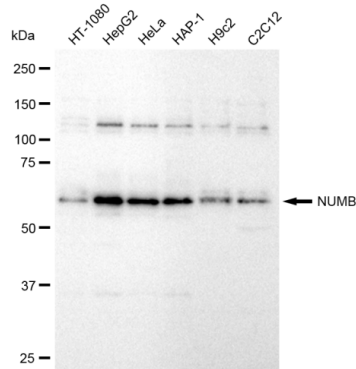
Research Area

Neuroscience, Stem Cells

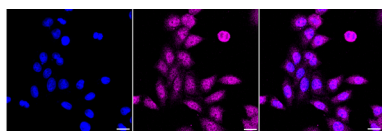
Image Data



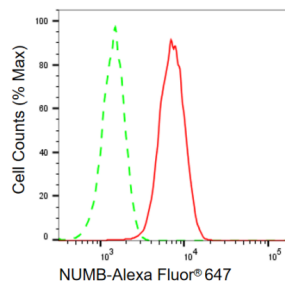
Western blotting analysis using NUMB antibody (KVA00170). NUMB expression in wild type (WT) and NUMB shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. GAPDH serves as a loading control. The blot was incubated with NUMB antibody (KVA00170, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NUMB antibody (KVA00170). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NUMB antibody (KVA00170, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with NUMB antibody (KVA00170, 1:1,000). Nuclei were stained blue with DAPI; NUMB was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of NUMB expression in HepG2 cells using NUMB antibody (KVA00170, 1:2,000). Green, isotype control; red, NUMB.