
Product Name: KD-Validated NUMB Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00297**

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
Alternative Names	Numb Homolog (Drosophila); Numb (Drosophila) Homolog; C14orf41; c14_5527; h-Numb; Protein Numb Homolog; S171; Protein S171; Chromosome 14 Open Reading Frame 41
Gene ID	8650.0
SwissProt ID	P49757
Immunogen	A synthesized peptide derived from human NUMB

Background

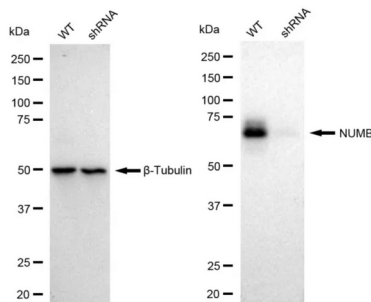
The protein encoded by this gene plays a role in the determination of cell fates during development. The encoded protein, whose degradation is induced in a proteasome-dependent manner by MDM2, is a membrane-bound protein that has been shown to associate with EPS15, LNX1, and NOTCH1. Alternative splicing results in multiple transcript variants. [provided by

RefSeq, Feb 2016]

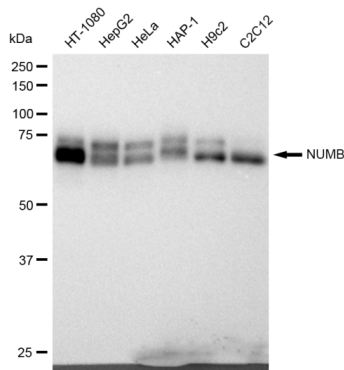
Research Area

Neuroscience, Stem Cells

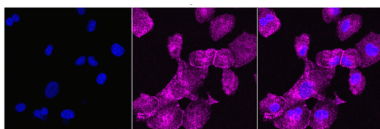
Image Data



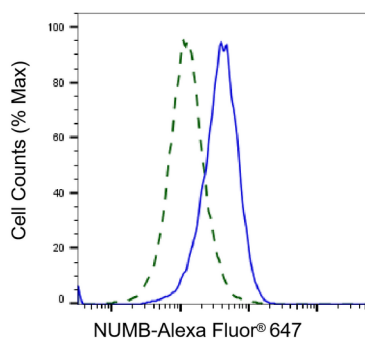
Western blotting analysis using NUMB antibody (KVA00297). NUMB expression in wild type (WT) and NUMB shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with NUMB antibody (KVA00297, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



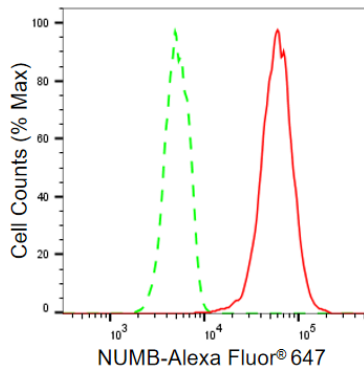
Western blotting analysis using NUMB antibody (KVA00297). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NUMB antibody (KVA00297, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with NUMB antibody (KVA00297, 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.



Validation of NUMB knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HT-1080 cells were stained with NUMB antibody (KVA00297, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of NUMB expression in HT-1080 cells using NUMB antibody (KVA00297, 1:2,000). Green, isotype control; red, NUMB.