

Product Name: KD-Validated Latexin Mouse Monoclonal Antibody**Catalog #: KVA01235**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 25.8kDa

Antigen Information

Gene Name	LXN
Alternative Names	LXN; Latexin; Endogenous Carboxypeptidase Inhibitor; Tissue Carboxypeptidase Inhibitor; ECI; TCI; Protein MUM; MUM
Gene ID	56925.0
SwissProt ID	Q9BS40
Immunogen	Recombinant protein of human LXN

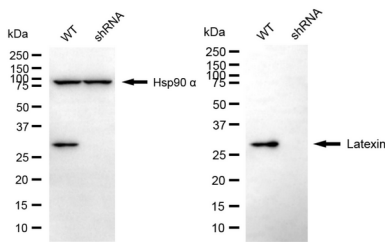
Background

This gene encodes the only known protein inhibitor of zinc-dependent metallopeptidases. The encoded protein, latexin, downregulates the population size of hematopoietic stem cells. This protein is found to be downregulated in cancer cells because of promoter hypermethylation. [provided by RefSeq, Jul 2020]

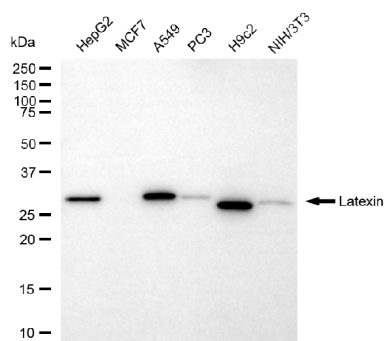
Research Area

Immunology, Tags & Cell Markers, Cell Biology, Stem Cells

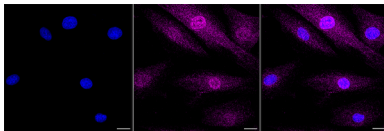
Image Data



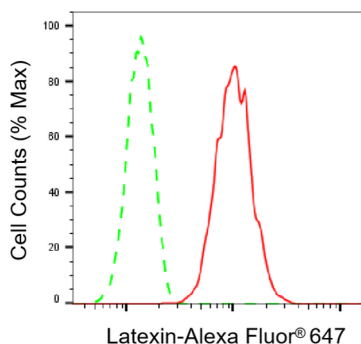
Western blotting analysis using latexin antibody (KVA01235). Latexin expression in wild type (WT) and latexin (LXN) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with latexin antibody (KVA01235, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using latexin antibody (KVA01235). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with latexin antibody (KVA01235, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of H9C2 cells with Latexin antibody (KVA01235, 1:1,000). Nuclei were stained blue with DAPI; Latexin 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 Latexin expression in H9C2 cells using Latexin antibody (KVA01235, 1:2,000). Green, isotype control; red, Latexin.