
Product Name: KD-Validated Galectin 1 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01041

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: 14.7kDa

Antigen Information

Gene Name	LGALS1 LGALS1; Galectin 1; GBP; Lectin, Galactoside-Binding, Soluble, 1; Beta-Galactoside-Binding Lectin L-14-I; Putative MAPK-Activating Protein PM12; 14 KDa Laminin-Binding Protein;
Alternative Names	Lactose-Binding Lectin 1; S-Lac Lectin 1; 14 KDa Lectin; Galectin-1; Galaptin; HLBP14; Gal-1; HBL; HPL; Epididymis Secretory Sperm Binding Protein; Beta-Galactoside-Binding Protein 14kDa; Lectin Galactoside-Binding Soluble 1; GAL1
Gene ID	3956.0
SwissProt ID	P09382
Immunogen	A synthesized peptide derived from human Galectin 1

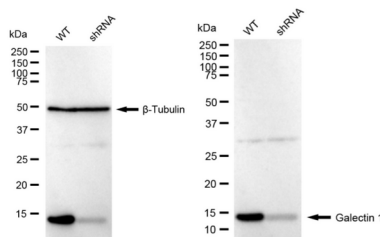
Background

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This gene product may act as an autocrine negative growth factor that regulates cell proliferation. [provided by RefSeq, Jul 2008]

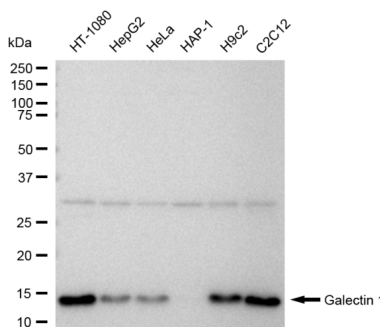
Research Area

Cell Biology,Cancer

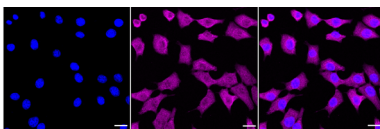
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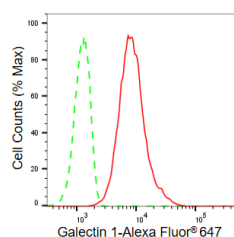
Western blotting analysis using Galectin 1 antibody (KVA01041). Galectin 1 expression in wild type (WT) and Galectin 1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Galectin 1 antibody (KVA01041, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Galectin 1 antibody (KVA01041). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Galectin 1 antibody (KVA01041, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with Galectin 1 antibody (KVA01041, 1:1,000). Nuclei were stained blue with DAPI; Galectin 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar, 20 µm.



Flow cytometric analysis of Galectin 1 expression in C2C12 cells using Galectin 1 antibody (KVA01041, 1:2,000). Green, isotype control; red, Galectin 1.