

Anti-SLM-1 Antibody

Catalog # AP95908

Product Information

Application	WB, IHC, FC
Primary Accession	Q5VWX1
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	38927

Additional Information

Gene ID	202559
Other Names	SLM1; KH domain-containing, RNA-binding, signal transduction-associated protein 2; Sam68-like mammalian protein 1; SLM-1; hSLM-1
Target/Specificity	Recombinant fusion protein of human SLM-1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

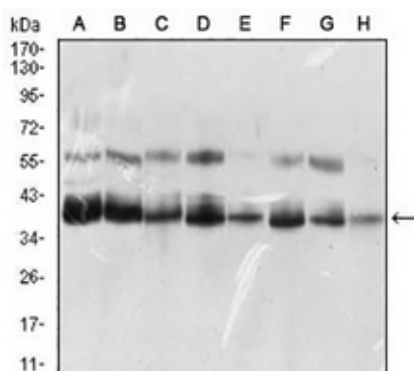
Protein Information

Name	KHDRBS2
Synonyms	SLM1
Function	RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Binds both poly(A) and poly(U) homopolymers. Phosphorylation by PTK6 inhibits its RNA-binding ability (By similarity). Induces an increased concentration-dependent incorporation of exon in CD44 pre- mRNA by direct binding to purine-rich exonic enhancer. Can regulate alternative splicing of NRXN1 in the laminin G-like domain 6 containing the evolutionary conserved neurexin alternative spliced segment 4 (AS4) involved in neurexin selective targeting to postsynaptic partners. Regulates cell-type specific alternative splicing of NRXN1 at AS4 and acts synergistically with SAM68 in exon skipping. In contrast acts antagonistically with SAM68 in NRXN3 exon skipping at AS4. Its phosphorylation by FYN inhibits its ability to regulate splice site selection. May function as an adapter protein for Src kinases during mitosis.
Cellular Location	Nucleus {ECO:0000250 UniProtKB:Q9WU01}.

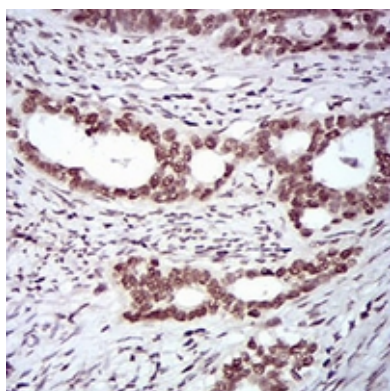
Tissue Location

Highly expressed in brain, lung, kidney and small intestine. Weakly expressed in placenta, liver, spleen, thymus, ovary and colon.

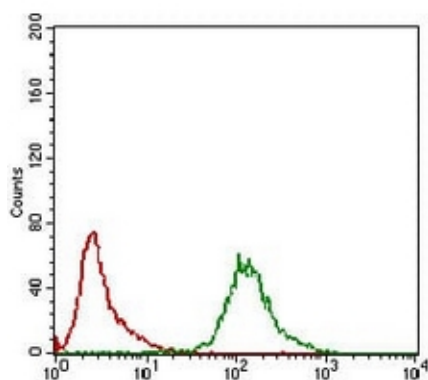
Images



Western blot analysis of SLM-1 expression in K562 (A), HEK293 (B), NTERA2 (C), Hela (D), HepG2 (E), Jurkat (F), A431 (G), NIH/3T3 (H) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 39 kD)



Immunohistochemical analysis of SLM-1 staining in human cervical cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of K562 cells using Anti-SLM-1 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.