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KHDRBS2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20541b

Specification

KHDRBS2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q5VWX1
Reactivity	**Human, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38927**
Antigen Region	**298-321**

KHDRBS2 Antibody (C-term) - Additional Information

Gene ID 202559

Other Names
KH domain-containing, RNA-binding, signal transduction-associated protein 2, Sam68-like mammalian protein 1, SLM-1, hSLM-1, KHDRBS2, SLM1

Target/Specificity
This KHDRBS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 298-321 amino acids from the C-terminal region of human KHDRBS2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KHDRBS2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KHDRBS2 Antibody (C-term) - 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 synergystically 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}.

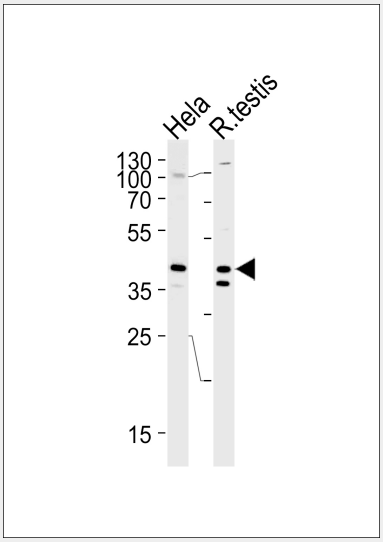
Tissue Location
Highly expressed in brain, lung, kidney and small intestine. Weakly expressed in placenta, liver, spleen, thymus, ovary and colon.

KHDRBS2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KHDRBS2 Antibody (C-term) - Images



KHDRBS2 Antibody (C-term) (Cat. #AP20541b) western blot analysis in Hela cell line and rat testis tissue lysates (35ug/lane).This demonstrates the KHDRBS2 antibody detected the KHDRBS2 protein (arrow).

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KHDRBS2 Antibody (C-term) - Background

RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Its phosphorylation by FYN inhibits its ability to regulate splice site selection. Induces an increased concentration-dependent incorporation of exon in CD44 pre-mRNA by direct binding to purine-rich exonic enhancer. May function as an adapter protein for Src kinases during mitosis. Binds both poly(A) and poly(U) homopolymers. Phosphorylation by PTK6 inhibits its RNA-binding ability (By similarity).

KHDRBS2 Antibody (C-term) - References

Wang L., et al. Mol. Biol. Rep. 29:369-375(2002).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mungall A.J., et al. Nature 425:805-811(2003).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
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