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KHDRBS2 Rabbit pAb

Catalog # AP99924

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q5VWX1
Other Accession	Q5VWX1
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38927
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KHDRBS2
Epitope Specificity	121-220/349
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the KHDRBS family. Contains 1 KH domain.
SUBUNIT	Self-associates to form homooligomers.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KHDRBS2 (KH domain containing, RNA binding, signal transduction associated 2), is an 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. It induces an increased concentration-dependent incorporation of exon in CD44 pre-mRNA by direct binding to purine-rich exonic enhancer and may function as an adapter protein for Src kinases during mitosis. KHDRBS2 binds both poly(A) and poly(U) homopolymers.

Additional Information

Gene ID	202559
Other Names	KHDRBS2-OT; KHDRBS2-OT1; SLM-1; SLM1; 6330586C16Rik; Slim1; TG-RP135; Tg(LRRK2*R1441G)135Cjli; mSLM-1; KHDR2_HUMAN; KHDRBS2; Sam68-like mammalian protein 1 (SLM-1 | hSLM-1); KHDR2_MOUSE; Sam68-like mammalian protein 1 (SLM-1 | mSLM-1); KHDR2_RAT; Sam68-like mammalian protein 1 (SLM-1 | rSLM-1); KH RNA binding domain containing, signal transduction associated 2; KHDRBS2 3'UTR overlapping transcript 1; Sam68-like mammalian protein 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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.

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