

KHDRBS3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19054a**Specification**

KHDRBS3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O75525
Other Accession	NP_006549.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38800
Antigen Region	18-47

KHDRBS3 Antibody (N-term) - Additional Information**Gene ID** 10656**Other Names**

KH domain-containing, RNA-binding, signal transduction-associated protein 3, RNA-binding protein T-Star, Sam68-like mammalian protein 2, SLM-2, Sam68-like phosphotyrosine protein, KHDRBS3, SALP, SLM2

Target/Specificity

This KHDRBS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-47 amino acids from the N-terminal region of human KHDRBS3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

KHDRBS3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KHDRBS3 Antibody (N-term) - Protein Information**Name** KHDRBS3

Synonyms SALP, SLM2

Function RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Binds preferentially to the 5'-[AU]UAAA-3' motif in vitro. Binds optimally to RNA containing 5'-[AU]UAA-3' as a bipartite motif spaced by more than 15 nucleotides. Binds poly(A). RNA-binding abilities are down-regulated by tyrosine kinase PTK6 (PubMed:[10564820](#), PubMed:[19561594](#), PubMed:[26758068](#)). Involved in splice site selection of vascular endothelial growth factor (PubMed:[15901763](#)). In vitro regulates CD44 alternative splicing by direct binding to purine-rich exonic enhancer (By similarity). Can regulate alternative splicing of neurexins NRXN1-3 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 such as neuroligins and LRRTM family members (PubMed:[26758068](#)). Targeted, cell-type specific splicing regulation of NRXN1 at AS4 is involved in neuronal glutamatergic synapse function and plasticity (By similarity). May regulate expression of KHDRBS2/SLIM-1 in defined brain neuron populations by modifying its alternative splicing (By similarity). Can bind FABP9 mRNA (By similarity). May play a role as a negative regulator of cell growth. Inhibits cell proliferation.

Cellular Location

Nucleus. Note=Localized in a compartment adjacent to the nucleolus, but distinct from the peri-nucleolar one

Tissue Location

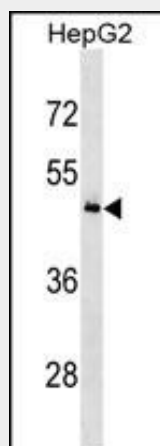
Ubiquitous with higher expression in testis, skeletal muscle and brain. Expressed in the kidney only in podocytes, the glomerular epithelial cells of the kidney. Strongly expressed after meiosis.

KHDRBS3 Antibody (N-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 Cytometry](#)
- [Cell Culture](#)

KHDRBS3 Antibody (N-term) - Images



KHDRBS3 Antibody (N-term) (Cat. #AP19054a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the KHDRBS3 antibody detected the KHDRBS3 protein (arrow).

KHDRBS3 Antibody (N-term) - Background

RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. May play a role as a negative regulator of cell growth. Inhibits cell proliferation. Involved in splice site selection of vascular endothelial growth factor. Induces an increased concentration-dependent incorporation of exon in CD44 pre-mRNA by direct binding to purine-rich exonic enhancer. RNA-binding abilities are down-regulated by tyrosine kinase PTK6. Involved in post-transcriptional regulation of HIV-1 gene expression.

KHDRBS3 Antibody (N-term) - References

Xin, X., et al. Genome Res. 19(7):1262-1269(2009)
Lu, Y., et al. PLoS ONE 4 (7), E6159 (2009) :
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Schymick, J.C., et al. Lancet Neurol 6(4):322-328(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)