

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

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**KHDRBS3 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O75525</a>
Other Accession	<a href="#">NP_006549.1</a>
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

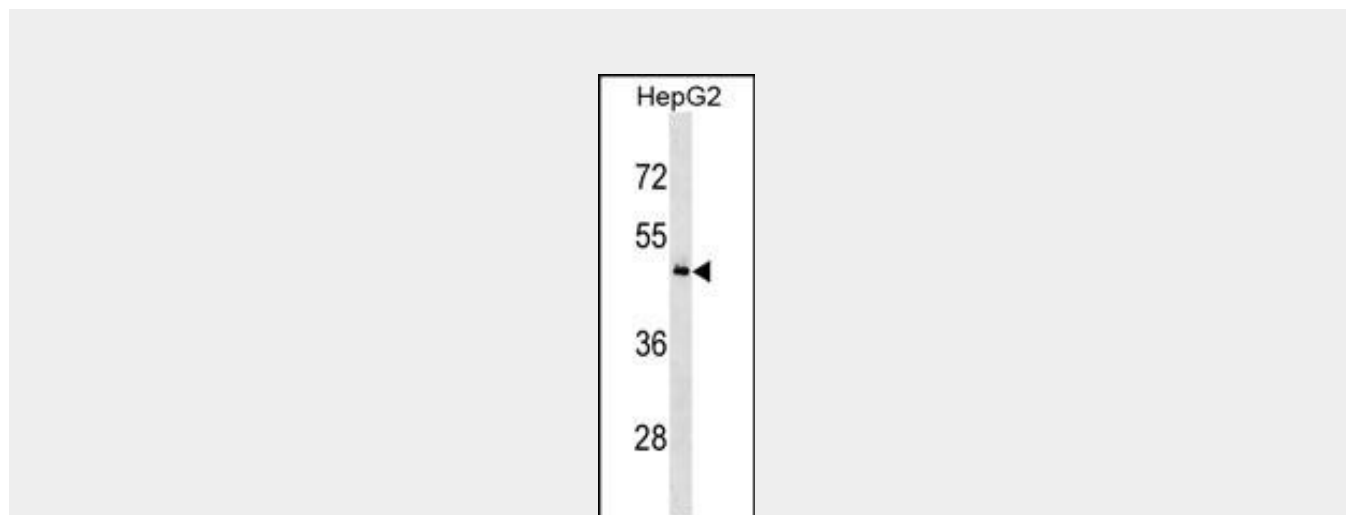
Ubiquitous with higher expression in testis, skeletal muscle and brain. Expressed in the kidney only in podocytes, the glomerular epithelial cells of the kidney. Strongly expressed after meiosis.

## 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)