

KHDRBS3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56478**Specification****KHDRBS3 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	075525
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38800

KHDRBS3 Polyclonal Antibody - 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

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

KHDRBS3 Polyclonal Antibody - 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](http://www.uniprot.org/citations/10564820)), PubMed: [19561594](http://www.uniprot.org/citations/19561594), PubMed: [26758068](http://www.uniprot.org/citations/26758068)). Involved in splice site selection of vascular endothelial growth factor (PubMed: [15901763](http://www.uniprot.org/citations/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 Polyclonal Antibody - 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 Polyclonal Antibody - Images