

**Anti-SLM2 Antibody**  
**Catalog # AP54075****Specification**

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**Anti-SLM2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O75525</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38800

**Anti-SLM2 Antibody - Additional Information****Gene ID** 10656**Other Names**

SALP; SLM2; 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

**Target/Specificity**

Recognizes endogenous levels of SLM2 protein.

**Dilution**

WB~~1/500 - 1/1000

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-SLM2 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:<a href="http://www.uniprot.org/citations/10564820" target="\_blank">10564820</a>, PubMed:<a href="http://www.uniprot.org/citations/19561594" target="\_blank">19561594</a>, PubMed:<a href="http://www.uniprot.org/citations/26758068" target="\_blank">26758068</a>).

Involved in splice site selection of vascular endothelial growth factor (PubMed:<a href="http://www.uniprot.org/citations/15901763" target="\_blank">15901763</a>). 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:<a href="http://www.uniprot.org/citations/26758068" target="\_blank">26758068</a>). 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

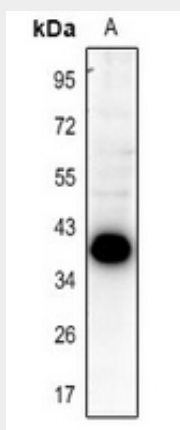
Ubiquitous with higher expression in testis, skeletal muscle and brain. Expressed in the kidney only in podocytes, the glomerular epithelial cells of the kidney. Strongly expressed after meiosis.

#### Anti-SLM2 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](#)

#### Anti-SLM2 Antibody - Images



Western blot analysis of SLM2 expression in mouse brain (A) whole cell lysates.

#### Anti-SLM2 Antibody - Background

Rabbit polyclonal antibody to SLM2