

Anti-SLM2 Antibody

Catalog # AP54075

Specification

Anti-SLM2 Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB 075525 Human, Mouse Rabbit Polyclonal 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]UAA-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.

Anti-SLM2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

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