

SRRM4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58859**Specification****SRRM4 Polyclonal Antibody - Product Information**

| | |
|----------------------------------|---|
| Application | WB, IHC-P, IHC-F, IF, E |
| Primary Accession | A7MD48 |
| Reactivity | Rat, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 69 KDa |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human SRRM4 |
| Epitope Specificity | 451-611/611 |
| Isotype | IgG |
| Purity | affinity purified by Protein A |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Nucleus (By similarity). |
| SIMILARITY | Belongs to the nSR100 family. |
| Post-translational modifications | Phosphorylated (By similarity). |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

Background Descriptions

Splicing factor specifically required for neural cell differentiation. Acts in conjunction with nPTB/PTBP2 by binding directly to its regulated target transcripts and promotes neural-specific exon inclusion in many genes that function in neural cell differentiation. Required to promote the inclusion of neural-specific exon 10 in nPTB/PTBP2, leading to increased expression of neural-specific nPTB/PTBP2. Also promotes the inclusion of exon 16 in DAAM1 in neuron extracts.

SRRM4 Polyclonal Antibody - Additional Information**Gene ID** 84530**Other Names**

Serine/arginine repetitive matrix protein 4, Medulloblastoma antigen MU-MB-2.76, Neural-specific serine/arginine repetitive splicing factor of 100 kDa, Neural-specific SR-related protein of 100 kDa, nSR100, SRRM4, KIAA1853

Target/Specificity

Specifically expressed in neuronal cells (atprotein level). Expressed in the cerebellum.

Dilution

WB~~1:1000<br \><span class

= "dilution_IHC-P" > IHC-P~~N/A
IHC-P~~N/A
IF~~1:50~200
E~~N/A

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.

SRRM4 Polyclonal Antibody - Protein Information

Name SRRM4

Synonyms KIAA1853

Function

Splicing factor specifically required for neural cell differentiation. Acts in conjunction with nPTB/PTBP2 by binding directly to its regulated target transcripts and promotes neural- specific exon inclusion in many genes that function in neural cell differentiation. Required to promote the inclusion of neural-specific exon 10 in nPTB/PTBP2, leading to increased expression of neural- specific nPTB/PTBP2. Also promotes the inclusion of exon 16 in DAAM1 in neuron extracts (By similarity). Promotes alternative splicing of REST transcripts to produce REST isoform 3 (REST4) with greatly reduced repressive activity, thereby activating expression of REST targets in neural cells (PubMed:30684677). Plays an important role during embryonic development as well as in the proper functioning of the adult nervous system. Regulates alternative splicing events in genes with important neuronal functions (By similarity).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q8BKA3}.

Tissue Location

Specifically expressed in neuronal cells (at protein level). Expressed in the cerebellum

SRRM4 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](#)

SRRM4 Polyclonal Antibody - Images