

SRRM4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58859

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	A7MD48
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68559
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.

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.
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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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.