

SRPK1 Antibody (monoclonal) (M10)

Mouse monoclonal antibody raised against a partial recombinant SRPK1.

Catalog # AT4041a

Product Information

Application	WB, IF
Primary Accession	Q96SB4
Other Accession	BC038292
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4G12
Calculated MW	74325

Additional Information

Gene ID	6732
Other Names	SRSF protein kinase 1, SFRS protein kinase 1, Serine/arginine-rich protein-specific kinase 1, SR-protein-specific kinase 1, SRPK1 {ECO:0000312 EMBL:CAC392991}
Target/Specificity	SRPK1 (AAH38292, 371 a.a. ~ 470 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SRPK1 Antibody (monoclonal) (M10) is for research use only and not for use in diagnostic or therapeutic procedures.

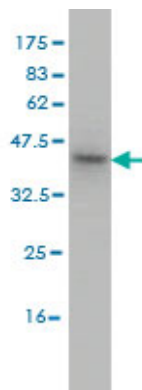
Background

This gene encodes a serine/arginine protein kinase specific for the SR (serine/arginine-rich domain) family of splicing factors. The protein localizes to the nucleus and the cytoplasm. It is thought to play a role in regulation of both constitutive and alternative splicing by regulating intracellular localization of splicing factors. Alternative splicing of this gene results in multiple transcript variants. Additional alternatively spliced transcript variants have been described for this gene, but their full length nature have not been determined.

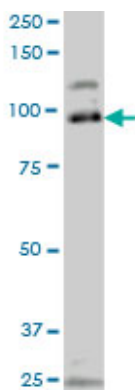
References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. The enzymatic activity of SR protein kinases 1 and 1a is negatively affected by interaction with scaffold attachment factors B1 and 2. Tsianou D, et al. FEBS J, 2009 Sep. PMID 19674106. Arginine methylation of the ICP27 RGG box regulates the functional interactions of ICP27 with SRPK1 and Aly/REF during herpes simplex virus 1 infection. Souki SK, et al. J Virol, 2009 Sep. PMID 19553338. Regiospecific phosphorylation control of the SR protein ASF/SF2 by SRPK1. Ma CT, et al. J Mol Biol, 2009 Jul 24. PMID 19477182. Regulation of SR protein phosphorylation and alternative splicing by modulating kinetic interactions of SRPK1 with molecular chaperones. Zhong XY, et al. Genes Dev, 2009 Feb 15. PMID 19240134.

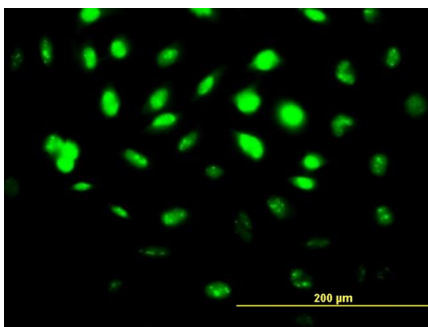
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



SRPK1 monoclonal antibody (M10), clone 4G12 Western Blot analysis of SRPK1 expression in Jurkat (Cat # AT4041a)



Immunofluorescence of monoclonal antibody to SRPK1 on HeLa cell. [antibody concentration 10 ug/ml]

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