

Rabbit SRPK1 Polyclonal Antibody | anti-SRPK1 antibody

SRPK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40846	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

SRPK1; Polyclonal Antibody; SRPK1 Antibody; SRSF protein kinase 1; Serine/arginine-rich protein-specific kinase 1; Serine/threonine-protein kinase SRPK1; SFRSK1; SR-protein-specific kinase 1; anti-SRPK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SRPK1 antibody is human, mouse and rat reactive. Multiple isoforms of SRPK1 are known to exist; this antibody will detect all except isoforms b and e. SRPK1 antibody is predicted to not cross-react with SRPK2.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	655
Applicable Applications for anti-SRPK1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	SRPK1 antibody was raised against a 19 amino acid peptide from near the amino terminus of human SRPK1.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	Mouse Liver Tissue Lysate
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of SRPK1 in human testis tissue with SRPK1 antibody at 5 &#956;g/ml.



WB (Western Blot)

Western blot analysis of SRPK1 in mouse heart tissue lysate with SRPK1 antibody at 1 &#956;g/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-SRPK1 antibody	SRPK1 and SRPK2, two Arginine/serine-rich (SR) protein-specific kinases constitute control circuits to regulate both constitutive and alternative pre-mRNA splicing and coordinate splicing with transcription in cells (1). They are highly specific for the phosphorylation of these RS proteins, and highly expressed in testis (1,2). SRPK1 plays a role in the condensation of sperm chromatin and controls the intranuclear distribution of splicing factors in interphase cells and the reorganization of nuclear speckles during mitosis (3,4).
Product Categories/Family for anti-SRPK1 antibody	Cell Cycle; Homeostasis
References	Wang HY, Arden KC, Bermingham JR Jr, et al. Localization of serine kinases, SRPK1 (SFRSK1) and SRPK2 (SFRSK2), specific for the SR family of splicing factors in mouse and human chromosomes. Genomics 1999; 57:310-5. Daub H, Blencke S, Habenberger P, et al. Identification of SRPK1 and SRPK2 as the major cellular protein kinases phosphorylating hepatitis B virus core protein. J. Virol. 2002; 76:8124-37. Zhong XY, Ding JH, Adams JA, et al. Regulation of SR protein phosphorylation and alternative splicing by modulating kinetic interactions of SRPK1 with molecular chaperones. Genes Dev. 2009; 23:482-95. Mavrou A, Brakspear K, Hamdollah-Zadeh M, et al. Serine-arginine protein kinase 1 (SRPK1) inhibition as a potential novel targeted therapeutic strategy in prostate cancer. Oncogene 2014 Nov 10. doi: 10.1038/onc.2014.360.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47419936
NCBI GeneID	6732
NCBI Accession #	NP_003128
NCBI GenBank Nucleotide #	NM_003137.4
UniProt Accession #	Q96SB4; Q12890; Q5R364; Q5R365; Q8IY12; B4DS61
Molecular Weight	Predicted: 54, 72, 91 kDa Observed: 91 kDa
NCBI Official Full Name	SRSF protein kinase 1
NCBI Official Synonym Full Names	SRSF protein kinase 1
NCBI Official Symbol	SRPK1
NCBI Official Synonym Symbols	SFRSK1
NCBI Protein Information	SRSF protein kinase 1
UniProt Protein Name	SRSF protein kinase 1
UniProt Gene Name	SRPK1
UniProt Synonym Gene Names	SR-protein-specific kinase 1
UniProt Entry Name	SRPK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.