

Datasheet for ABIN7270269
anti-SRPK2 antibody (AA 420-520)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	SRPK2
Binding Specificity:	AA 420-520
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SRPK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	SRPK2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 420-520 of human SRPK2 (NP_872633.1).
Sequence:	NAESDYTYSS SYEQFNGELP NGRHKIPESQ FPEFSTSLFS GSLEPVACGS VLSEGSPLTE QEESPSHDR SRTVSASSTG DLPKAKTRAA DLLVNPLDPR N
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	SRPK2
Alternative Name:	SRPK2 (SRPK2 Products)
Background:	<p>Serine/arginine-rich protein-specific kinase which specifically phosphorylates its substrates at serine residues located in regions rich in arginine/serine dipeptides, known as RS domains and is involved in the phosphorylation of SR splicing factors and the regulation of splicing.</p> <p>Promotes neuronal apoptosis by up-regulating cyclin-D1 (CCND1 expression. This is done by the phosphorylation of SRSF2, leading to the suppression of p53/TP53 phosphorylation thereby relieving the repressive effect of p53/TP53 on cyclin-D1 (CCND1 expression. Phosphorylates ACIN1, and redistributes it from the nuclear speckles to the nucleoplasm, resulting in cyclin A1 but not cyclin A2 up-regulation. Plays an essential role in spliceosomal B complex formation via the phosphorylation of DDX23/PRP28. Probably by phosphorylating DDX23, leads to the suppression of incorrect R-loops formed during transcription, R-loops are composed of a DNA:RNA hybrid and the associated non-template single-stranded DNA. Can mediate hepatitis B virus (HBV core protein phosphorylation. Plays a negative role in the regulation of HBV replication through a mechanism not involving the phosphorylation of the core protein but by reducing the packaging efficiency of the pregenomic RNA (pgRNA without affecting the formation of the viral core particles.,SFRSK2,SRPK2,Epigenetics & Nuclear Signaling,RNA Binding,Signal Transduction,Kinase,Cell Biology & Developmental Biology,Cell Cycle,Cyclins,SRPK2</p>
Gene ID:	6733
UniProt:	P78362
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

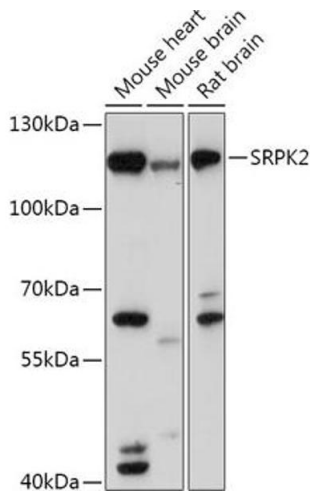
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using SRPK2 antibody (ABIN7270269) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 120s.