



Datasheet for ABIN968376 **anti-SRPK2 antibody (AA 363-485)**



[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	50 µg
Target:	SRPK2
Binding Specificity:	AA 363-485
Reactivity:	Human, Mouse, Rat, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SRPK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human SRPK2 aa. 363-485
Clone:	23-SRPK2
Isotype:	IgG1
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Dog (Canine)
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target: SRPK2

Alternative Name: SRPK2 ([SRPK2 Products](#))

Background: Mammalian cell pre-mRNA splicing is mediated by the spliceosome, a multi-component complex that contains two types of splicing factors: small nuclear ribonucleoprotein particles (snRNPs) and non-snRNP factors. Interactions between snRNPs and pre-mRNA ensures proper establishment of a catalytic core for the splicing reaction. However, these interactions are mediated by the non-snRNP factors. The superfamily of Arg/Ser-rich (RS) domain containing splicing factors are well known non-snRNPs. All of these proteins share a similar structure consisting of an N-terminal RNA recognition motif and a C-terminal RS domain. However, different SR factors have distinct specificities and their function is regulated by their level of expression and by reversible phosphorylation. Two families of kinases phosphorylate RS domain-containing proteins: SR protein-specific kinases (SRPK1 and 2) and Clk/Sty. SRPK1 is predominate in the pancreas, whereas SRPK2 is highly expressed in brain. SRPK2 contains an N-terminal proline-rich sequence that mediates its in vitro interaction with a WW domain containing protein. SRPKs affect splice-site selection and are thought to affect alternative splicing. This antibody is routinely tested by western blot analysis.

Synonyms: SR Protein specific Kinase-2

Molecular Weight: 115 kDa

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Comment: Related Products: ABIN968533, ABIN967389

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 250 µg/mL

Buffer: Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.

Preservative: Sodium azide

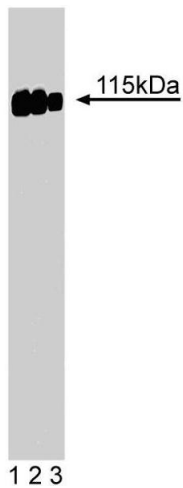
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20° C.

Publications

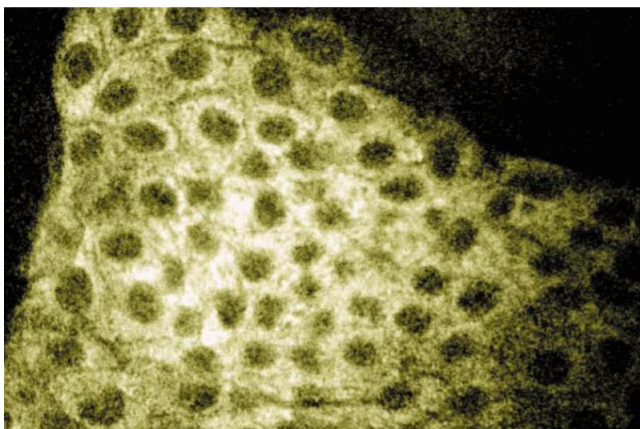
Product cited in: Wang, Lin, Dyck, Yeakley, Songyang, Cantley, Fu: "SRPK2: a differentially expressed SR protein-specific kinase involved in mediating the interaction and localization of pre-mRNA splicing factors in mammalian cells." in: **The Journal of cell biology**, Vol. 140, Issue 4, pp. 737-50, (1998) ([PubMed](#)).

Images



Western Blotting

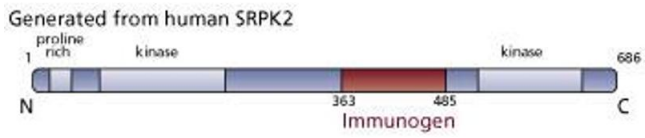
Image 1. Western blot analysis of SRPK2 on a A431 cell lysate (Human epithelial carcinoma, ATCC CRL-1555). Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of the mouse anti-SRPK2 antibody.



Immunofluorescence

Image 2. Immunofluorescence staining of MDCK cells (Canine kidney, ATCC CCL-34).

Image 3.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN968376.