

SRPK2 Rabbit pAb

CatalogNo: YN1270

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 75kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from part region of human protein

Specificity

SRPK2 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

SRPK2

Protein Name	SRSF protein kinase 2 (SFRS protein kinase 2) (Serine/arginine-rich protein-specific kinase 2) (SR-protein-specific kinase 2) [Cleaved into: SRSF protein kinase 2 N-terminal; SRSF protein kinase 2 C-terminal]		
	Organism	Gene ID	UniProt ID
	Human	6733 ;	P78362 ;
	Mouse		O54781 ;
Cellular Localization	Cytoplasm . Nucleus, nucleoplasm . Nucleus speckle . Chromosome . Shuttles between the nucleus and the cytoplasm (PubMed:19592491, PubMed:21157427, PubMed:21056976). KAT5/TIP60 inhibits its nuclear translocation (PubMed:21157427). Phosphorylation at Thr-492 by PKB/AKT1 promotes nuclear translocation (PubMed:19592491). Preferentially localizes across the entire gene coding region (PubMed:28076779). During transcription, accumulates at chromatin loci where unscheduled R-loops form and colocalizes with paused 'Ser-5'-phosphorylated POLR2A/RNA polymerase II and helicase DDX23 (PubMed:28076779). .		
Tissue specificity	Highly expressed in brain, moderately expressed in heart and skeletal muscle and at low levels in lung, liver, and kidney.		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by phosphorylation on Ser-52 and Ser-588.,Function:Phosphorylates RS domain-containing proteins, such as SFRS1 and SFRS2 on serine residues. Role in spliceosome assembly and in mediating the trafficking of splicing factors. Appears to mediate HBV core protein phosphorylation which is a prerequisite for pregenomic RNA encapsidation into viral capsids.,sequence Caution:The cDNA appears to contain a duplicated region.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family.,similarity:Contains 1 protein kinase domain.,tissue specificity:Highly expressed in brain, moderately expressed in heart and skeletal muscle and at low levels in lung, liver, and kidney.,		

| Validation Data

| Contact information

Orders: order.cn@immunoway.com
 Support: support.cn@immunoway.com
 Telephone: 400-8787-807(China)
 Website: http://www.immunoway.com.cn
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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