



SRPK2 Monoclonal Antibody

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| Catalog No | YP-mAb-06140 |
| Isotype | IgG |
| Reactivity | Human;Mouse |
| Applications | WB |
| Gene Name | SRPK2 |
| Protein Name | SRSF protein kinase 2 (EC 2.7.11.1) (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 protei |
| Immunogen | Synthesized peptide derived from part region of human protein |
| Specificity | SRPK2 Monoclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-1:2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | 75kD |
| Cell Pathway | 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 |



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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images