

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SRPK3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) SRPK1 or rhSRPK2 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 722534
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SRPK3 Arg247-Ser316 Accession # Q9UPE1
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

SRPK3 (Ser/Arg-rich protein specific kinase 3), also called MSK-1 (muscle-specific serine kinase 1) or STK23 (Ser/Thr kinase 23) is a 59 kDa (predicted) cytoplasmic member of the CMGC Ser/Thr protein kinase family. SRPK3 is principally expressed in heart and skeletal muscle. SRPKs selectively phosphorylate Ser on RS domain-containing proteins, initiating mRNA splicing and maturation. The 533 amino acid (aa) human SRPK3 contains a split kinase domain (aa 79-292 and 347-531) separated by a hinge region. A 491 aa isoform shows an alternate translation start site at aa 43. Within the region used as an immunogen, human SRPK3 shares 87% and 86% aa identity with mouse and rat SRPK3, respectively.

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