

DESCRIPTION

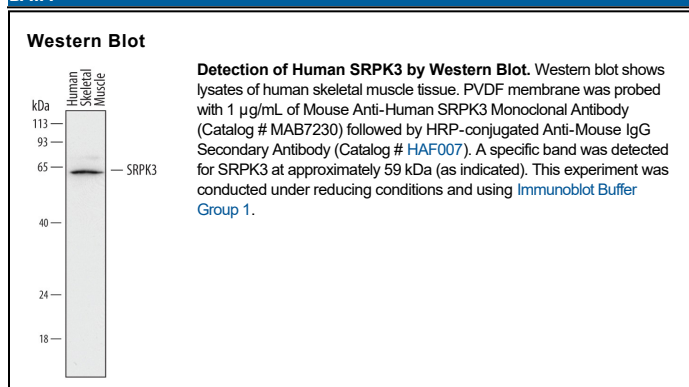
Species Reactivity	Human
Specificity	Detects human SRPK3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) SRPK1 or rhSRPK2 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 722534
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E.coli</i> -derived recombinant human SRPK3 Arg247-Ser316 Accession # Q9UPE1
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SRPK3 (Ser/Arg-rich protein specific kinase 3), also called MSSK-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.