

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human SRPK2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SRPK2 Asn313-Ala466 Accession # P78362
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

SRPK2 (Ser/Arg-rich protein specific kinase 2) is a cytoplasmic, 115-120 kDa member of the CMGC Ser/Thr protein kinase family of enzymes. It is expressed in many experimental cell lines and serves to selectively phosphorylate Ser on RS domain-containing proteins. This phosphorylation activates RS domain-containing non-snRNP proteins in the spliceosome complex, and initiates mRNA splicing. Human SRPK2 is 688 amino acids (aa) in length. It contains a Pro-rich region (aa 21-45) that may interact with WW domain-containing proteins, and a split kinase domain (aa 79-226 and 524-646). Phosphorylation on S52 and S588 regulates activity. There are at least two splice variants. One shows a 24 aa substitution for aa 1-13, while a second shows a nine aa substitution for aa 538-688.

PRODUCT SPECIFIC NOTICES

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