

DESCRIPTION

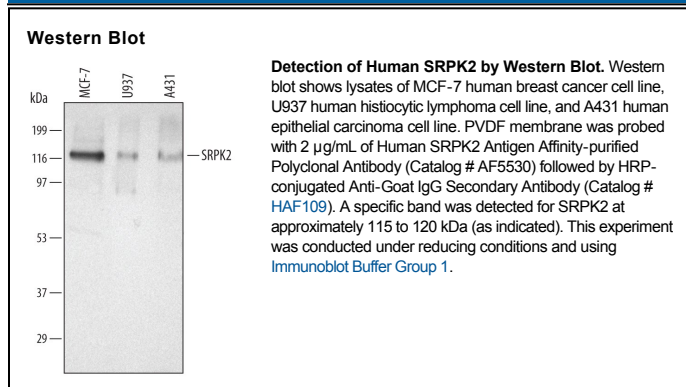
Species Reactivity	Human
Specificity	Detects endogenous human SRPK2 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SRPK2 Asn313-Ala466 Accession # P78362
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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

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.