

**DESCRIPTION**

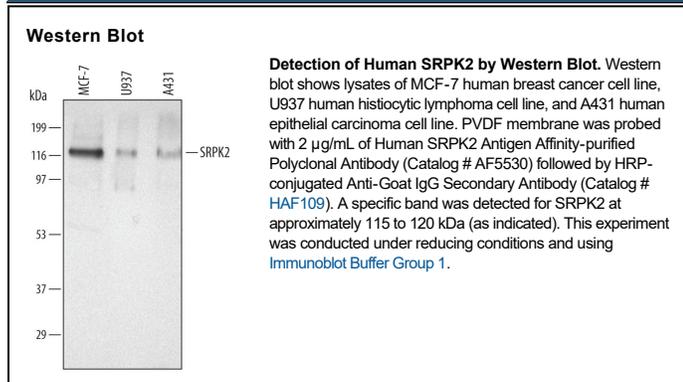
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects endogenous human SRPK2 in Western blots.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human SRPK2 Asn313-Ala466 Accession # P78362
<b>Formulation</b>	Lyophilized 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	2 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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.