

**DESCRIPTION**

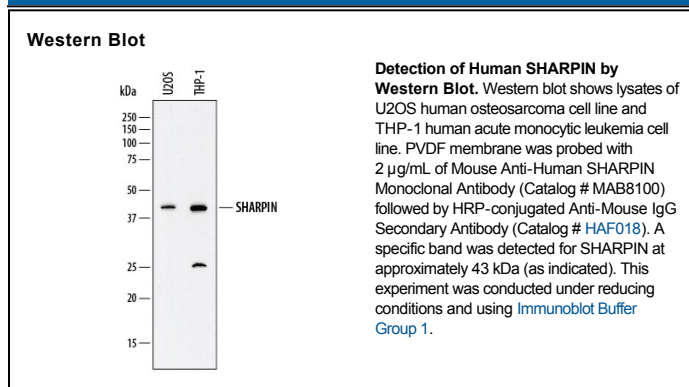
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human SHARPIN in ELISAs and Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 881816
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human SHARPIN Ala27-Ala182 Accession # Q9H0F6
<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 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
<b>Western Blot</b>	2 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 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**

SHARPIN (Shank-associated RH Domain-interacting Protein), also called SIPL1 (Shank Interacting Protein-like 1) is an essential component of the cytosolic LUBAC ubiquitin conjugation complex. It conjugates linear ubiquitin chains to IKK $\gamma$  and activates NF $\kappa$ B, thus regulating immune and inflammatory responses. SHARPIN is widely expressed, with upregulated expression in multiple tumor types. Human SHARPIN is a 387 amino acid (aa) protein containing self-association, SHANK1 interaction, and zinc finger domains. A 326 aa isoform diverges after aa 308 and lacks the zinc finger domain. Within aa 27-182, human SHARPIN shares 67% and 66% aa sequence identity with mouse and rat SHARPIN, respectively.