Human SHARPIN Antibody

Monoclonal Mouse IgG_{2B} Clone # 881816

Catalog Number: MAB8100

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SHARPIN in ELISAs and Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 881816
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human SHARPIN Ala27-Ala182 Accession # Q9H0F6
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.

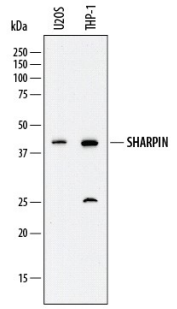
APPLICATIONS

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	2 µg/mL	See Below

DATA

Western Blot



Detection of Human SHARPIN by Western Blot. Western blot shows lysates of U2OS human osteosarcoma cell line and THP-1 human acute monocytic leukemia cell line. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human SHARPIN Monoclonal Antibody (Catalog # MAB8100) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for SHARPIN at approximately 43 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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.** ● 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

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 IKKγ and activates NFkβ, 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.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449