Human LNK/SH2B3 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5888

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LNK/SH2B3 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human LNK/SH2B3 Gln427-Leu575 Accession # Q9UQQ2
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.

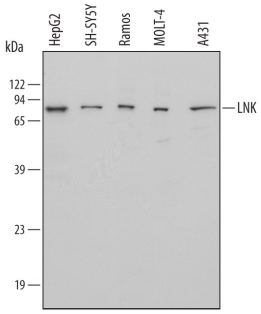
APPLICATIONS

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	0.5 µg/mL	See Below

DATA

Western Blot



Detection of Human LNK/SH2B3 by Western Blot. Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line, SH-SY5Y human neuroblastoma cell line, Ramos human Burkitt's lymphoma cell line, MOLT-4 human acute lymphoblastic leukemia cell line, and A431 human epithelial carcinoma cell line. PVDF membrane was probed with 0.5 µg/mL of Sheep Anti-Human LNK/SH2B3 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5888) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for LNK/SH2B3 at approximately 75 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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.** ● 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

LNK (also SH2B adaptor protein 3) is a protein intermediary, or LiNK, between cell surface molecules (TPO R; EPO R; SCFR; TCR) and downstream signaling molecules such as PI3 K, Grb2 and Jak2. Although its predicted MW is 63 kDa, it runs anomalously at 75 kDa in SDS-PAGE. LNK is found in hematopoietic cells, and serves to limit responsiveness to growth factor stimulation. Human LNK is 575 amino acids (aa) in length. It contains an N-terminal Phe-zipper segment that likely serves as a dimerization domain (aa 24-81), a PH domain that may interact with membrane lipids (aa 197-305), and an SH2 domain that binds phosphoTyr (aa 364-462).

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