

DESCRIPTION

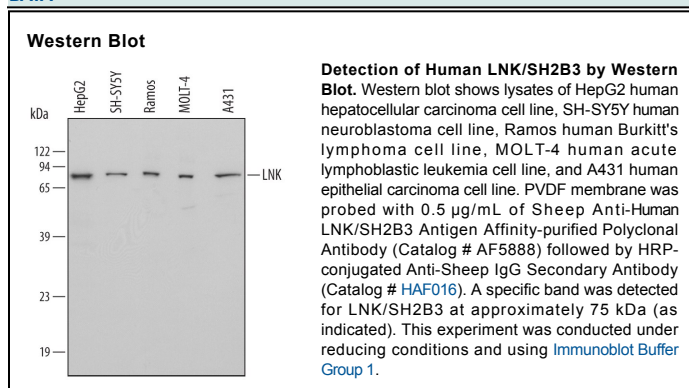
Species Reactivity	Human
Specificity	Detects human LNK/SH2B3 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human LNK/SH2B3 Gln427-Leu575 Accession # Q9UQQ2
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS 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



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

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).