

# **Human CIN85/SH3KBP1 Antibody**

Monoclonal Mouse  $IgG_{2B}$  Clone # 931308 Catalog Number: MAB8877

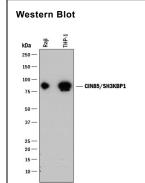
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human CIN85/SH3KBP1 in direct ELISAs.
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 931308
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human CIN85/SH3KBP1 Pro366-Lys665 Accession # Q96B97
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



Detection of Human CIN85/SH3KBP1 by Western Blot. Western blot shows lysates of Raji human Burkitt's lymphoma cell line and THP-1 human acute monocytic leukemia cell line. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human CIN85/SH3KBP1 Monoclonal Antibody (Catalog # MAB8877) followed by HRPconjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for CIN85/SH3KBP1 at approximately 80 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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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**

Independently identified by several groups, SH3-domain kinase-binding protein 1 (SH3KBP1) is also known as CBL-interacting protein of 85 kDa (CIN85), CD2-binding protein 3 (CD2BP3) and human src family kinase-binding protein 1 (HSB1). SH3KBP1 is a widely expressed adaptor protein involved in regulating diverse signal transduction pathways, including endocytosis, lysosomal degradation, cell adhesion, stress response, cell morphology and cytoskeletal organization. The protein contains three N-terminal SH3 domains for complex assembly and a C-terminal coiled coil domain for oligomerization, separated by a proline-rich central region. Smaller known isoforms of SH3KBP1 lack one or more of the SH3 domains. Over amino acids (aa) 366-665, human SH3KBP1 shares 92% and 90% aa identity with mouse and rat SH3KBP1, respectively.

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