Human Skp2 Antibody

Monoclonal Mouse IgG_1 Clone # 712120

Catalog Number: MAB6817

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Skp2 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 712120
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human Skp2 Leu130-Pro350 Accession # Q13309
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.

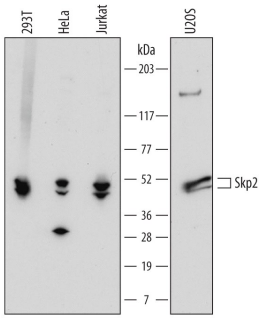
APPLICATIONS

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	2 µg/mL	See Below

DATA

Western Blot



Detection of Human Skp2 by Western Blot. Western blot shows lysates of 293T human embryonic kidney cell line, HeLa human cervical epithelial carcinoma cell line, Jurkat human acute T cell leukemia cell line, and U2OS human osteosarcoma cell line. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human Skp2 Monoclonal Antibody (Catalog # MAB6817) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). Specific bands were detected for Skp2 at approximately 45 and 48 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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

Skp2 (S-phase kinase-associated protein 2) is a 45-49 kDa cyclin A- and CDK2-associated phosphoprotein within the FBXL (F-box/LRR) family of ubiquitin ligases, designated FBXL1. Skp2 contains an F-box domain (amino acids (aa) 94-140) and 8 leucine-rich repeats (LRR) between aa 180 and 403. Isoforms of 424 and 410 aa, designated a and b, respectively, diverge after aa 354. As a component of the SCF (SKP1-Cul1-F-box) complex, Skp2 phosphorylation is required for degradation of CDK inhibitors such as p27/Kip1 and progression from G1 to S phases of the cell cycle. Deregulation in cancer promotes cell cycle progression and cancer growth. Within the region used as an immunogen, human Skp2 shares 84% aa sequence identity with mouse and rat Skp2.