Human Phospho-Paxillin (Y118) Antibody

Monoclonal Mouse IgG_1 Clone # 601327

Catalog Number: MAB6164

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Phospho-Paxillin (Y118) in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 601327
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing the human Paxillin Y118 site Accession # P49023
Formulation	Supplied as a 0.2 µm filtered solution in PBS. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

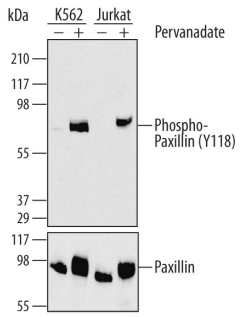
APPLICATIONS

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 Phospho-Paxillin (Y118) by Western Blot. Western blot shows lysates of K562 human chronic myelogenous leukemia cell line and Jurkat human acute T cell leukemia cell line untreated (-) or treated (+) with Pervanadate for 5 minutes. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human Phospho-Paxillin (Y118) Antigen Affinity-purified Monoclonal Antibody (Catalog # MAB6164) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Phospho-Paxillin (Y118) at approximately 80 kDa (as indicated). For additional reference, the membran was stripped and reprobed with 2 µg/mL of Sheep Anti-Human/Mouse/Rat Paxillin Antigen Affinity-purified Polyclonal Antibody (*lower* panel, Catalog # AF4259). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Shipping	The product is shipped with dry ice or equivalent. 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 opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

Paxillin is a 65 kDa cytoskeletal adaptor protein and member of the Paxillin family. Human Paxillin is 591 amino acids (aa) in length and contains four LIM zinc-binding domains. Alternative splicing produces three isoforms. Human Paxillin shares 94% and 85% aa identity with mouse and rat Paxillin, respectively. Paxillin is found at the interface between actin filaments and the plasma membrane, and it localizes to focal adhesions, where it provides a platform for the integration and coordination of adhesion- and growth factor-related signals. Paxillin phosphorylation at tyrosines 31 and 118 is required for integrin-mediated cytoskeletal reorganization, and may play a role in the disassembly of focal adhesions and stress fibers during cellular transformation.

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