Mouse (monoclonal) Anti-Human Paxillin Unconjugated

PRODUCT ANALYSIS SHEET

Catalog Number:	AHO0492
Lot Number:	See product label
Quantity/Volume:	100 µg/0.5 mL
Clone Number:	5H11
Isotype:	Mouse IgG1 κ
Form of Antibody:	Purified immunoglobulin in 10mM PBS, pH 7.4, with 0.2% bovine serum albumin.
Preservation:	0.09% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)
Purification:	Purified from ascites by Protein G affinity chromatography.
Immunogen:	Purified recombinant full-length human paxillin protein.
Specificity:	This monoclonal antibody recognizes paxillin, a protein with M_r=68 kDa. Paxillin can be diffusely distributed in the cytoplasm, colocalized with actin at the cell periphery, or aggregated at focal adhesions. Paxillin has several motifs which allow its interaction with other proteins. These motifs include LD motifs, LIM domains, an SH3 domain binding site, and SH2 domain binding sites. Paxillin complexes with proteins of focal adhesions including vinculin, talin, and integrin β1, with the kinases FAK, PYK2, Src, and Csk, with ARF GTPase activating proteins, and with the adaptor protein v-Crk. Paxillin is phosphorylated at several residues, including tyrosine 31, tyrosine 118, tyrosine 181. The phosphorylation of paxillin appears to be important for several biological functions including S-phase transition and neurite extension.
Species Reactivity:	Human and rat. Other species were not tested.
Applications:	This antibody is suitable for use in immunofluorescence, immunoprecipitation, Western blot analysis, and immunohistology on acetone-fixed frozen and formalin-fixed/paraffin-embedded tissue sections. Staining of formalin/paraffin tissues requires boiling tissue sections in 1 mM EDTA, pH 8.0, for 10-20 minutes followed by cooling at room temperature for 20 minutes.
Suggested Working Dilutions:	For immunoprecipitation, the recommended concentration is 2.0 µg/mg of protein lysate; for Western blotting, the recommended concentration is 1.0-2.0 µg/mL with incubation for 2 hours at room temperature; and for immunohistology, the recommended concentration is 1.0-2.0 µg/mL with incubation for 30 minutes at room temperature. The optimal antibody concentration should be determined for each specific application.
Recommended Positive Control:	A431 or HeLa cells. Tonsil tissue. Breast or colon carcinomas.
Storage:	Store at 2-8°C.

For Research Use Only. CAUTION: Not for human or animal therapeutic or diagnostic use.

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Expiration Date: Expires one year from date of receipt when stored as instructed.

References:

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