

# Paxillin Phospho-Regulation Antibody Sampler Kit

Catalog # PK6070

## Kit Components:

Catalog#	Description	Host	Size	Applications	Species Reactivity	MW (kDa)
PM1021	Paxillin (Tyr-31), phospho-specific	Mouse mAb	50 µl	WB, E	H, R, M	72
PP1341	Paxillin (Ser-83), phospho-specific	Rabbit pAb	50 µl	WB, E, ICC	H, R, M	68-72
PP1051	Paxillin (Ser-178), phospho-specific	Rabbit pAb	50 µl	WB, E	H, R, M	68-72
PM1071	Paxillin	Mouse mAb	50 µl	WB, E, IP, ICC	H, R, M, C	68-72
PP1161	Paxillin (C-terminal)	Rabbit pAb	50 µl	WB, E	H, R, M	68

Applications: WB = western blot, E = ELISA, IP = immunoprecipitation, ICC = immunocytochemistry.

Species: H = Human, R = Rat, M = Mouse, B = Bovine, C = Chicken

## Kit Summary:

The paxillin phospho-regulation antibody sampler kit can be used to examine phosphorylation of paxillin at Tyr-31, Ser-83, and Ser-178. The kit also includes monoclonal and polyclonal antibodies to monitor total paxillin expression levels.

## Background:

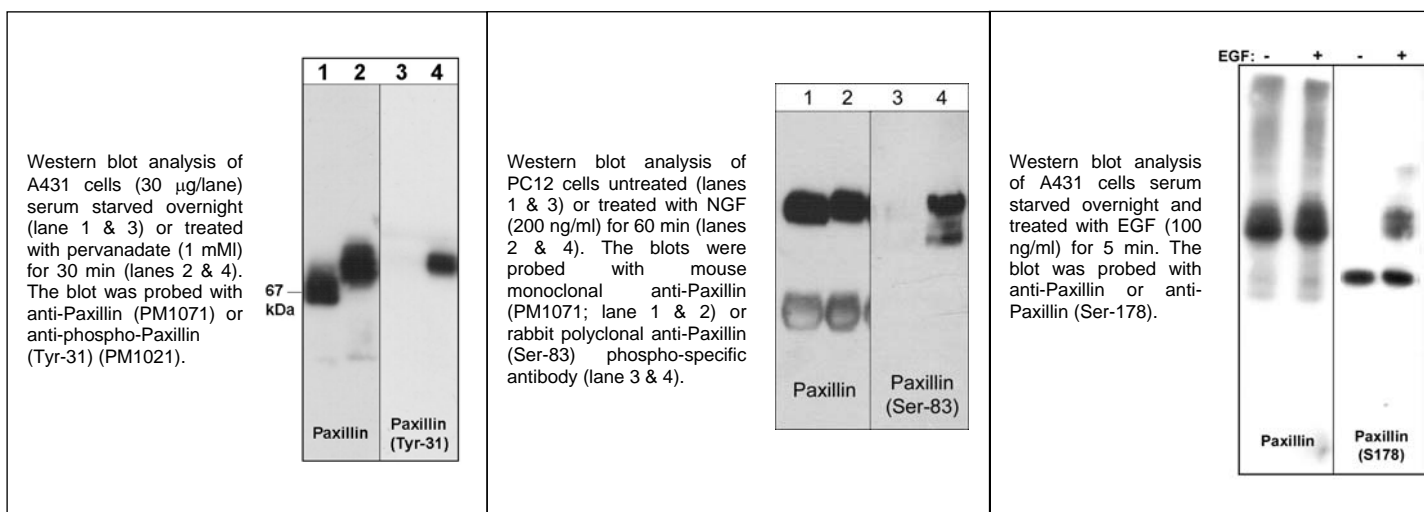
Paxillin is a focal adhesion protein involved in cell adhesion and migration. Phosphorylation of serine and tyrosine sites in paxillin regulates its activity. Serine phosphorylation occurs in response to growth-factor and integrin activation. Both JNK1 and cdc2 kinases can phosphorylate Ser-178, and this phosphorylation may be important for cell migration, while ERK and p38MAPK kinases phosphorylate Ser-83, and this phosphorylation may be important for HGF-induced cell spreading and NGF-induced neurite extension. Tyrosine phosphorylation of paxillin also occurs in response to growth factor and integrin activation. The major sites of tyrosine phosphorylation include Tyr-31 and Tyr-118, and both of these sites may be involved in integrin-mediated cell adhesion.

## Buffers and Storage:

Mouse monoclonal and rabbit polyclonal antibodies are supplied in 50µl phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide. Store at -20°C. Do not aliquot. Stable for 1 year.

## References:

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Schaller, M.D. & Schaefer, E.M. (2001) Biochem J. 360:57.  
Huang, C. et al. (2003) Nature 424:219.  
Huang, C. et al. (2004) Cell Cycle 3(1):4-6.  
Huang, C. et al. (2004) J Cell Biol. 164(4):593.  
Woodrow, M.A. (2003) Exp. Cell. Res. 287(2):325.  
Ishibe, S. et al. (2004) Mol. Cell 16:257.



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