

PhosphoPlus® Paxillin (Tyr118) Antibody Duet**Orders:** 877-616-CELL (2355)
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For Research Use Only. Not for Use in Diagnostic Procedures.**UniProt ID:**
#P49023**Entrez-Gene Id:**
5829

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Paxillin (D9G12) Rabbit mAb	12065	100 µl	54, 62, 68 kDa	Rabbit IgG
Phospho-Paxillin (Tyr118) (E9U9F) Rabbit mAb	69363	100 µl	68 kDa	Rabbit IgG

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.**Description**

PhosphoPlus® Duets from Cell Signaling Technology (CST) provide a means to assess protein activation status. Each Duet contains an activation-state and total protein antibody to your target of interest. These antibodies have been selected from CST's product offering based upon superior performance in specified applications.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibody.*

Background

Paxillin is a multidomain protein that localizes primarily to focal adhesion sites in the extracellular matrix (1). Paxillin is one of the key components of integrin signaling, and tyrosine phosphorylation of paxillin is required for integrin-mediated cytoskeletal reorganization (2). Paxillin is phosphorylated by another focal adhesion component, focal adhesion kinase (FAK), at Tyr118 (3,4). Phospho-paxillin (Tyr118) may provide a docking site for recruitment of other signaling molecules to focal adhesions. It has been shown that the SH2 domain of Crk binds to the phosphorylated Tyr118 of paxillin (5).

Background References

1. Turner, C.E. (2000) *J Cell Sci* 113 Pt 23, 4139-40.
2. Burridge, K. et al. (1992) *J Cell Biol* 119, 893-903.
3. Bellis, S.L. et al. (1995) *J Biol Chem* 270, 17437-41.
4. Bellis, S.L. et al. (1997) *Biochem J* 325 (Pt 2), 375-81.
5. Schaller, M.D. and Parsons, J.T. (1995) *Mol Cell Biol* 15, 2635-45.

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