

Anti-Paxillin/PXN Antibody Picoband® Fluoro550 Conjugated

Catalog Number: A01033-2-Fluoro550

About PXN

PXN(Paxillin) is a signal transduction adaptor protein discovered in 1990 in the laboratory of Keith Burridge. Salgia et al.(1995) mapped the paxillin gene to 12q24 using fluorescence in situ hybridization. The C-terminal region of paxillin contains four LIM domains that target paxillin to focal adhesions, it is presumed through a direct association with the cytoplasmic tail of beta-integrin. The N-terminal region of paxillin is rich in protein-protein interaction sites. The proteins that bind to paxillin are diverse and include protein tyrosine kinases, such as Src and FAK, structural proteins, such as vinculin and actopaxin, and regulators of actin organization, such as COOL/PIX and PKL/GIT. Paxillin is tyrosine-phosphorylated by FAK and Src upon integrin engagement or growth factor stimulation, creating binding sites for the adapter protein Crk. The paxillin protein contains 4 LIM domains, a proline-rich domain containing a consensus SH3-binding site, and 3 potential SH2-binding sites. On Northern blots, paxillin was expressed as a 3.7-kb mRNA in all tissues tested.

Overview

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| Product Name | Anti-Paxillin/PXN Antibody Picoband® Fluoro550 Conjugated |
| Reactive Species | Human, Mouse, Rat |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P49023 |

Technical Details

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| Immunogen | E.coli-derived human Paxillin/PXN recombinant protein (Position: A9-K570). |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | Fluoro550 Excitation Wavelength: 562 nm Emission Wavelength: 576 nm |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 24637093, Zhong S, Luo R, Wang X, Tang L, Wu J, Wang J, Huang R, Sun H, Huang N. Colloids Surf B Biointerfaces. 2014 Apr 1;116:553-60. Doi: 10.1016/J.Colsurfb.2014.01.030. Epub 2014 Jan 30. Effects Of Polydopamine Functionalized Titanium Dioxide Nanotubes O...

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