

DESCRIPTION

Species Reactivity	Human
Specificity	Detects Phospho-Paxillin (Y31) in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 698239
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing the human Paxillin Y31 site
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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