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Anti-Paxillin (Thr-538), Phosphospecific Antibody

Catalog # AN1891

Product Information

Application	WB
Primary Accession	P49023
Reactivity	Rat
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	64505

Additional Information

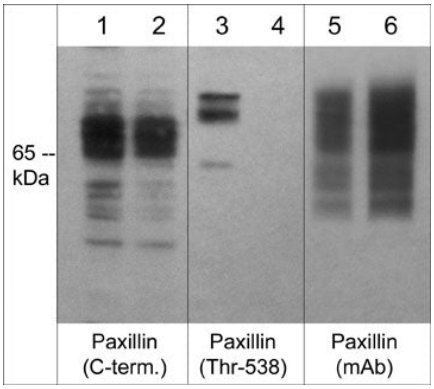
Gene ID	5829
Other Names	Paxillin, PXN
Dilution	WB~~1:1000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Paxillin (Thr-538), Phosphospecific Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

Paxillin, a focal adhesion protein, is involved in focal adhesion formation during cell adhesion and migration. Paxillin contains LD motifs, LIM domains, and SH3-/SH2-binding domains that participate in a variety of protein-protein interactions with kinases, GTPase-activating proteins, and cytoskeletal proteins. Phosphorylation of paxillin occurs at tyrosine, threonine, and serine sites. Serine and threonine phosphorylation of paxillin occur in response to growth-factor activation, PKC activators, and fibronectins. Phosphorylation of Ser-85, Ser-178, and Thr-538 may be important sites for regulating paxillin activity. Paxillin phosphorylation of Thr-538 occurs in response to TPA-activated PKCs in vitro, and this phosphorylation may contribute to dissolution of the actin cytoskeleton and redistribution of LFA-1 integrins in vivo.

Images

Western blot analysis of human A431 cells treated with Calyculin A (100 nm) for 30 min (lanes 1-6). The blot was treated with lambda phosphatase (lanes 2, 4, & 6), then probed with rabbit polyclonal anti-Paxillin (C-terminal; PP1161) (lanes 1 & 2), anti-phospho-Paxillin (Thr-538;



AN1891) (lanes 3 & 4), and mouse monoclonal anti-Paxillin (PM1071) (lanes 5 & 6).