

Anti-Paxillin (Thr-538), Phosphospecific Antibody

Catalog # AN1891

Product Information

ApplicationWBPrimary AccessionP49023ReactivityRatHostRabbit

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.

PrecautionsAnti-Paxillin (Thr-538), Phosphospecific Antibody is for research use only and

not for use in diagnostic or therapeutic procedures.

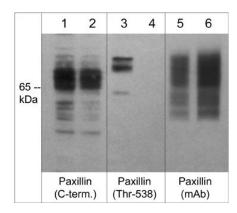
Shipping Blue Ice

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.