

Anti-Paxillin (Ser-83), Phosphospecific Antibody

Catalog # AN1888

Product Information

Application	WB, ICC
Primary Accession	Q8VI36
Reactivity	Rat
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	64476

Additional Information

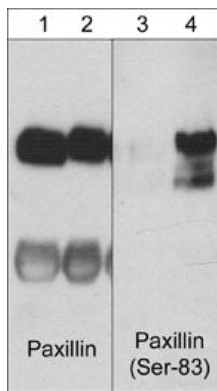
Gene ID	19303
Other Names	Paxillin, Pxn
Dilution	WB~~1:1000 ICC~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Paxillin (Ser-83), Phosphospecific Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

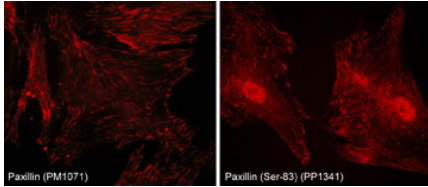
Paxillin, a focal adhesion protein, is involved in focal adhesion formation during cell adhesion and migration. Paxillin contains LD motifs, LIM domains, and SH3-/SH2-binding domains that participate in a variety of protein-protein interactions with kinases, GTPase-activating proteins, and cytoskeletal 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 PC12 cells untreated (lanes 1 & 3) or treated with NGF (200 ng/ml) for 60 min (lanes 2 & 4). The blots were probed with mouse monoclonal anti-Paxillin (PM1071; lane 1 & 2) or rabbit polyclonal anti-Paxillin (Ser-83) phospho-specific antibody (lane 3 &



4).



Immunocytochemical labeling of Ser-83 phosphorylated paxillin in rabbit spleen fibroblasts. The cells were labeled with mouse monoclonal Paxillin (left) and rabbit polyclonal Paxillin (Ser-83, right) antibodies, then detected using appropriate secondary antibodies conjugated to Cy3.

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