10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-Paxillin (Ser-178), Phosphospecific Antibody

Catalog # AN1890

Specification

Anti-Paxillin (Ser-178), Phosphospecific Antibody - Product Information

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

Anti-Paxillin (Ser-178), Phosphospecific Antibody - Additional Information

Gene ID	**5829**

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 (Ser-178), Phosphospecific Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

Anti-Paxillin (Ser-178), Phosphospecific Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Paxillin (Ser-178), Phosphospecific Antibody - Images

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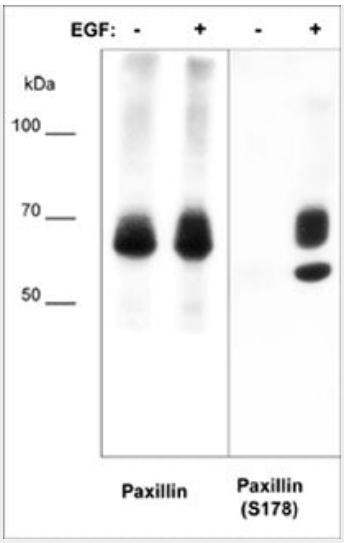

Western blot analysis of A431 cells (20 µg/lane) serum starved overnight and treated with EGF (100 ng/ml) for 5 min. The blot was probed with anti-Paxillin mouse monoclonal (PM1071) or anti-Paxillin (Ser-178) rabbit polyclonal (PP1051).

Anti-Paxillin (Ser-178), Phosphospecific Antibody - 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 both tyrosine and serine sites. Serine phosphorylation of paxillin occurs in response to growth-factor activation and fibronectins. Both JNK1 and cdc2 kinases can phosphorylate serine 178 in paxillin. The mutant form of paxillin (S178A) decreases the migration of keratocytes and epithelial cells. Thus, phosphorylation paxillin at serine 178 may be important during cell migration