Paxillin(Phospho-Tyr31) Antibody

Catalog No: #11201

Package Size: #11201-1 50ul #11201-2 100ul #11201-4 25ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

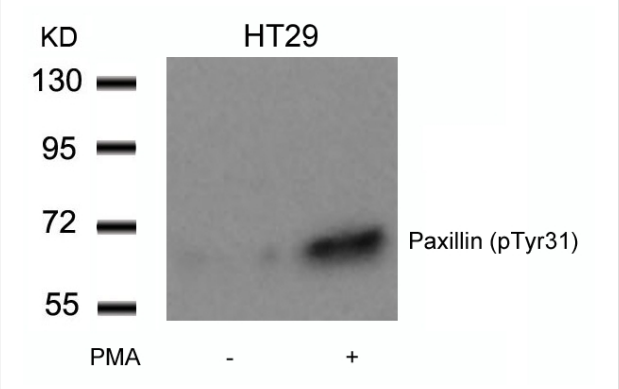
Product Name	Paxillin(Phospho-Tyr31) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of Paxillin only when phosphorylated at tyrosine 31.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 31 (T-P-Y(p)-S-Y) derived from Human Paxillin.
Target Name	Paxillin
Modification	Phospho-Tyr31
Other Names	PAXI; PXN;
Accession No.	Swiss-Prot: P49023NCBI Protein: NP_001074324.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 68kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HT29 cells untreated or treated with PMA using Paxillin(Phospho-Tyr31) Antibody #11201.

Background

An antiphosphotyrosine antibody was used to identify proteins that are phosphorylated in Rous sarcoma virus-transformed chick embryo fibroblasts, and a 76-kD protein was obtained that localizes to focal adhesions at the ends of actin-containing stress fibers in nontransformed cells (Ref.1). This protein was purified from chicken gizzard smooth muscle, and was named Pxn (Paxillin) ('paxillus' means 'small stake' or 'peg' in Latin) as a protein tethered to the membrane at focal adhesions

Davidson D, et al. (2001) EMBO J 20(13): 3414-3426.
Fleming I, et al. (1999) Proc Natl Acad Sci U S A 96(3): 1123-1128.
Goldberg MB. (2001) Microbiol Mol Biol Rev 65(4): 595-626.
Kook S, et al. (2000) Mol Biol Cell 11(3): 929-939.

Published Papers

Zhi Huang, Da-Peng Yan, Bao-Xue Ge el at., JNK regulates cell migration through promotion of tyrosine phosphorylation of paxillin., Cellular Signalling , 20(11): 2002-2012(2008)

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