

Paxillin(Ab-31) Antibody

Catalog No: #21199

Package Size: #21199-1 50ul #21199-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Paxillin(Ab-31) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Paxillin protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.29~33 (T-P-Y-S-Y) derived from Human Paxillin.
Target Name	Paxillin
Other Names	PAXI; PXN;
Accession No.	Swiss-Prot: P49023NCBI Protein: NP_001074324.1
Uniprot	P49023
GeneID	5829;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.

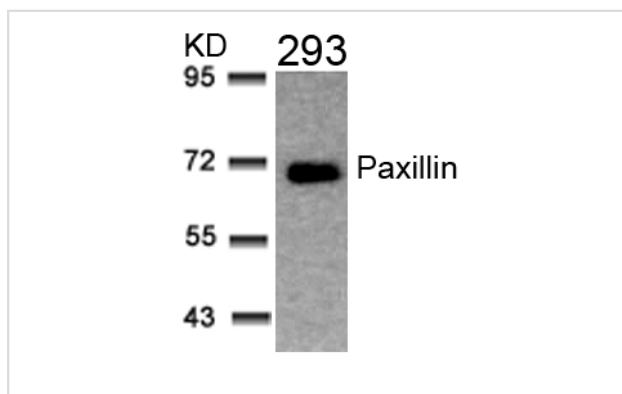
Application Details

Predicted MW: 68kd

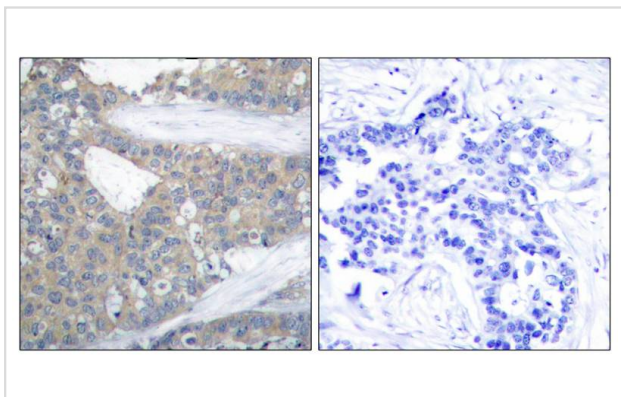
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293 cells using Paxillin(Ab-31) Antibody #21199.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Paxillin(Ab-31) Antibody #21199(left) or the same antibody preincubated with blocking peptide(right).

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

Kook S, et al. (2000) *Mol Biol Cell*; 11(3): 929-939

Fleming I, et al. (1999) *Proc Natl Acad Sci U S A*; 96(3): 1123-1128

Goldberg MB, et al. (2001) *Microbiol Mol Biol Rev*; 65(4): 595-626

Thomas JT, et al. (1999) *Proc Natl Acad Sci U S A*; 96(15): 8449-8454

Note: This product is for in vitro research use only