

Anti-Paxillin Antibody

RT1466



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IP, IF
Molecular Wt:	68kDa

Description: Paxillin is a focal adhesion phosphoprotein that is localized to the cytoskeleton. Phosphorylation of paxillin has been shown to occur in response to PDGF treatment, v-src transformation or cross-linking of integrins. FAK (focal adhesion kinase) and PYK2 have been shown to phosphorylate paxillin. FAK phosphorylates paxillin specifically on Tyr-118 in vitro. However, FAK phosphorylation does not seem to be required for the recruitment of paxillin to cell adhesion sites. Paxillin may play a role in signal transduction, regulation of cell morphology and the recruitment of structural and signaling molecules to focal adhesions. It has been shown that the amount of paxillin is reduced in mitotic cells by proteolytic downregulation and that paxillin is alternatively phosphorylated on serine rather than on tyrosine and serine during mitosis.

Immunogen: Amino acids 155-268 mapping within an internal region of paxillin of human origin.

Positive control: 293T, HISM, CCD-1064Sk.

Subcellular location: Cytoplasm, Cell junction

Database links: SwissProt: P49023 Human

Recommended Dilutions:

WB	1:100-1:1,000
IP	1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)
IF	1:50-1:500

Storage Buffer: 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Storage Instruction: Store at +4℃

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

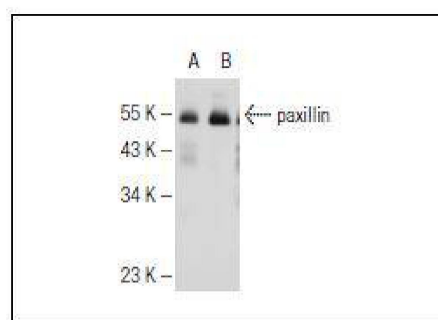


Fig1: Western blot analysis of paxillin expression in non-transfected 293T (A), human paxillin transfected 293T (B) and HISM (C) whole cell lysates.

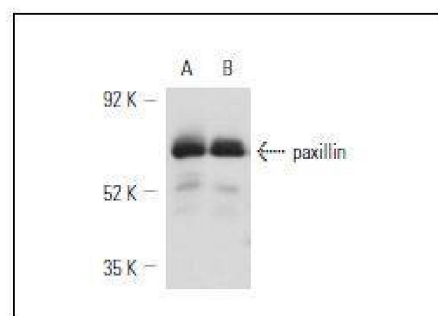


Fig2: Western blot analysis of paxillin expression in CCD-1064Sk (A) and HISM (B) whole cell lysates.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Huck, B., et al. 2012. GIT1 phosphorylation on serine 46 by PKD3 regulates paxillin trafficking and cellular protrusive activity. J. Biol. Chem. 287: 34604-34613.
2. Heering, J., et al. 2012. Loss of the ceramide transfer protein augments EGF receptor signaling in breast cancer. Cancer Res. 72: 2855-2866.

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