
Product Name: KD-Validated Paxillin Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01671

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 64.5kDa

Antigen Information

Gene Name	PXN
Alternative Names	PXN; Paxillin; Testicular Tissue Protein Li 134
Gene ID	5829.0
SwissProt ID	P49023
Immunogen	A synthesized peptide derived from human Paxillin

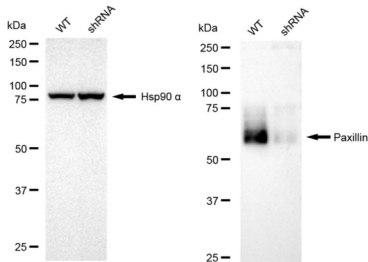
Background

This gene encodes a cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. These isoforms exhibit different expression pattern, and have different biochemical, as well as physiological properties (PMID:9054445). [provided by RefSeq, Aug 2011]

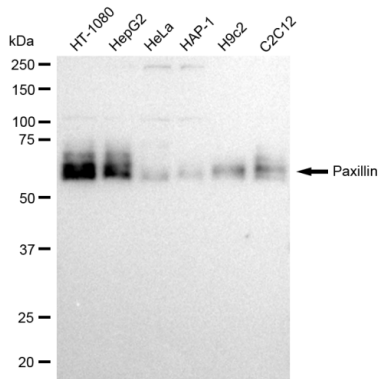
Research Area

Signal Transduction, Cancer

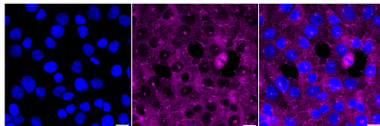
Image Data



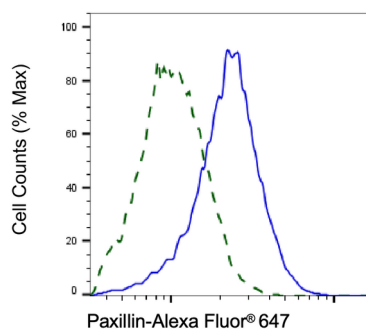
Western blotting analysis using paxillin antibody (KVA01671). Paxillin expression in wild type (WT) and paxillin (PXN) shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with paxillin antibody (KVA01671, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



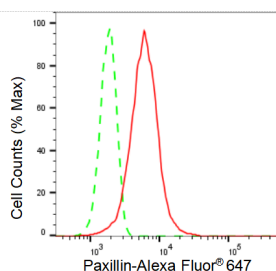
Western blotting analysis using Paxillin antibody (KVA01671). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Paxillin antibody (KVA01671, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HT-1080 cells with Paxillin antibody (KVA01671, 1:1,000). Nuclei were stained blue with DAPI; Paxillin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Validation of Paxillin knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Paxillin antibody (KVA01671, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Paxillin expression in HT-1080 cells using Paxillin antibody (KVA01671, 1:2,000). Green, isotype control; red, Paxillin.

