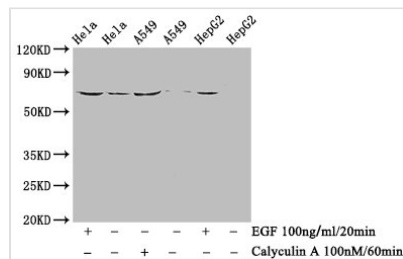




Phospho-PXN (Y118) Recombinant Monoclonal Antibody

Product Code	CSB-RA019112A118phHU
Abbreviation	Paxillin
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P49023
Immunogen	A synthesized peptide derived from Human Phospho-PXN (Y118)
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Alias	Paxillin, PXN
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Gene Names	PXN
Clone No.	1F11

Image



Western Blot

Positive WB detected in HeLa whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate (treated with Calyculin A or EGF)
All lanes Phospho-PXN antibody at 1.43 µg/ml
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 68 KDa
Observed band size: 68 KDa

Description

The vectors expressing anti-PXN antibody were constructed as follows: immunizing an animal with a synthesized peptide derived from human Phospho-PXN (Y118), isolating the positive splenocyte and extracting RNA, obtaining DNA by reverse transcription, sequencing and screening PXN antibody gene,



and amplifying heavy and light chain sequence by PCR and cloning them into plasma vectors. After that, the vector clones were transfected into the mammalian cells for production. The product is the recombinant PXN antibody. Recombinant PXN antibody in the culture medium was purified using affinity-chromatography. It can react with PXN protein from Human and is used in the ELISA, WB.

PXN encodes a cytoskeletal protein involved in the actin-membrane attachment at sites of cell adhesion to the extracellular matrix. According to some studies, PXN may have the following characteristics.

The MBNL3 splicing factor increases the expression of PXN through alternative splicing of lncRNA-PXN-AS1 and promotes hepatocellular carcinoma. Nobiletin inhibits angiogenesis by modulating Src/FAK/STAT3-mediated signaling in ER+ breast cancer cells via PXN. ETV4 overexpression promotes the progression of non-small cell lung cancer by upregulating the transcription of PXN and MMP1. Pan-cancer analysis reveals immunological roles and prognostic potential of PXN in human cancers.