

Datasheet for ABIN390376
anti-Paxillin antibody (AA 94-125)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	Paxillin (PXN)
Binding Specificity:	AA 94-125
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Paxillin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PXN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 94-125 amino acids from human PXN.
Clone:	RB15414
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Paxillin (PXN)
Alternative Name:	PXN (PXN Products)
Background:	PXN is a cytoskeletal adapter protein involved in organisation and function of focal adhesions,

Target Details

which are critical to cell adhesion and migration. This in turn plays a role in a wide variety of processes including embryogenesis, organogenesis, wound repair, inflammation and cancer. PXN contains LD motifs, LIM domains, SH3 and SH2 binding domains that serve as docking sites for cytoskeletal proteins, tyrosine kinases (e.g., FAK, Pyk 2, Src), serine/threonine kinases, GTPase activating proteins and other adaptor proteins (e.g., Actin, Vinculin, Crk).

Molecular Weight: 64505

Gene ID: 5829

NCBI Accession: [NP_001074324](#), [NP_001230685](#), [NP_002850](#), [NP_079433](#)

UniProt: [P49023](#)

Pathways: [MAPK Signaling](#), [EGFR Signaling Pathway](#), [Response to Growth Hormone Stimulus](#), [Cell-Cell Junction Organization](#), [Maintenance of Protein Location](#), [CXCR4-mediated Signaling Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [VEGF Signaling](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

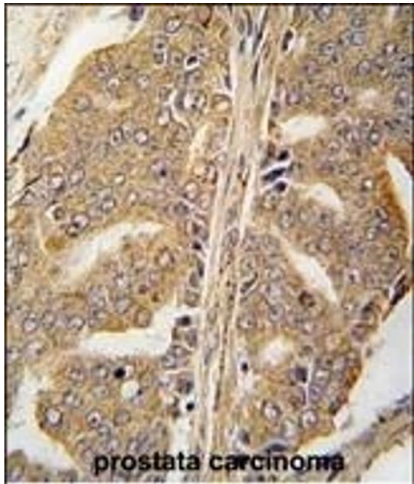
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

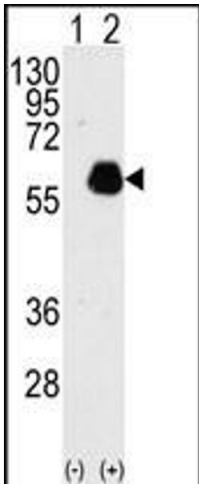
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



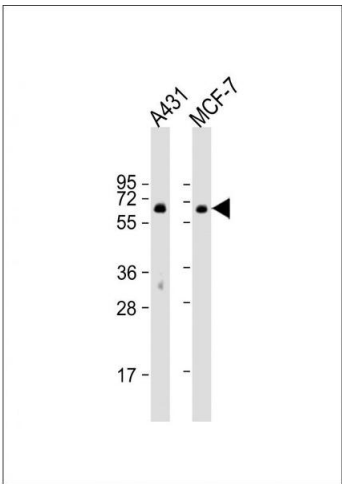
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with PXN Antibody (ABIN390376 and ABIN2840778) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of PXN(arrow) using rabbit polyclonal PXN Antibody (ABIN390376 and ABIN2840778). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with PXN gene (Lane 2) (Origene Technologies).



Western Blotting

Image 3. All lanes : Anti-PXN Antibody at 1:1000 dilution
Lane 1: A431 whole cell lysate Lane 2: MCF-7 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.