

Datasheet for ABIN711221
anti-Paxillin antibody (pSer178)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	Paxillin (PXN)
Binding Specificity:	pSer178
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Paxillin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Paxillin around the phosphorylation site of Ser178
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	Paxillin (PXN)
Alternative Name:	Paxillin (PXN Products)

Target Details

Background:	<p>Synonyms: PXNphospho S178, Paxillin phospho S178, Paxillin phospho Ser178, p-Paxillin Ser178, Paired box protein Pax 1, PAX 1, PAX1, Paxillin alpha, PXN, PXN protein, FLJ16691, FLJ23042, FLJ16691, PAXL_HUMAN, Paxillin, PXN protein.</p> <p>Background: Paxillin is a 64 kDa cytoskeletal adapter protein involved in organisation and function of focal adhesions, 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. Paxillin 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).</p>
Gene ID:	5829
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:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Stelling-Férez, Gabaldón, Nicolás: "Oleanolic acid stimulation of cell migration involves a biphasic signaling mechanism." in: Scientific reports , Vol. 12, Issue 1, pp. 15065, (2022) (PubMed).
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Images

Western Blotting

Image 1. Total protein extracts from serum-starved sub-confluent MDA-MB 231 cells treated with 10 um OA, EGF or DSMO equivalent volume as vehicle control. Source: PMID36064555

