Paxillin Polyclonal antibody

Catalog Number:10029-1-Ig   20 Publications

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Basic Information

Catalog Number:
10029-1-Ig

Size:
150ul , Concentration: 4200 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_002859

GeneID (NCBI):
5829

UNIPROT ID:
P49023

Full Name:
paxillin

Calculated MW:
68 kDa

Observed MW:
68 kDa

Purification Method:
Protein A purification

Recommended Dilutions:
WB 1:1000-1:4000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, COLO 320 cells, Jurkat cells, MCF-7 cells

IP : mouse brain tissue,

IHC : human liver cancer tissue,

IF/ICC : HUVEC cells, NIH/3T3 cells, HepG2 cells

Background Information

PXN (paxillin) is a 68 kDa scaffold protein that interacts with multiple structural and signaling proteins and regulates cell adhesion, migration, proliferation, and apoptosis. PXN is thought to play an important role in tumor migration, invasion, and metastasis (21045234). PXN has been identified as a direct substrate of protein tyrosine phosphatase receptor-type T (PTPRT), a potent tumor suppressor gene. Increased phospho-PXN at tyrosine residue 88 (Y88) has been found as a common feature of human colon cancers (20133777).

Notable Publications

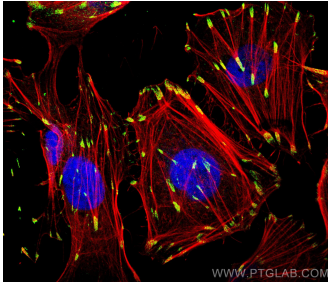| Author	Pubmed ID	Journal	Application
Zhaoyue Meng	36175399	Nat Commun	IHC
Xianhui Li	28916983	J Mater Sci Mater Med	WB
Qingxiu Yao	34708331	Mol Neurobiol	IF

Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage
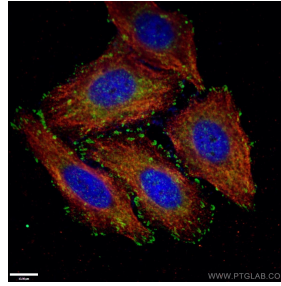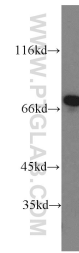
*** 20ul sizes contain 0.1% BSA
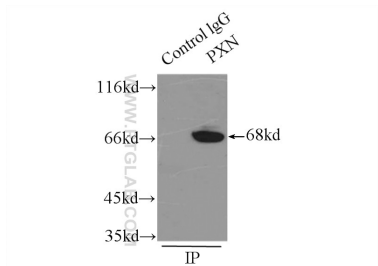
Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed HUVEC cells using Paxillin antibody (10029-1-Ig) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). DAPI (blue).
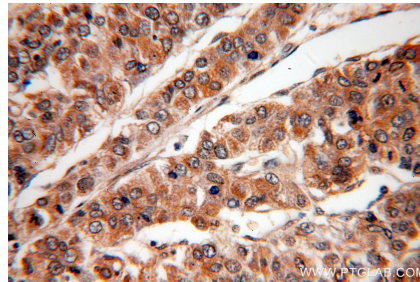

Immunofluorescent analysis of -20°C Ethanol fixed HepG2 cells using 10029-1-Ig (Paxillin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). The cytoskeleton was labelled in red with 66031-1-Ig (alpha tubulin). DAPI (blue).
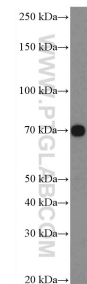

mouse brain tissue were subjected to SDS PAGE followed by western blot with 10029-1-Ig (PXN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.
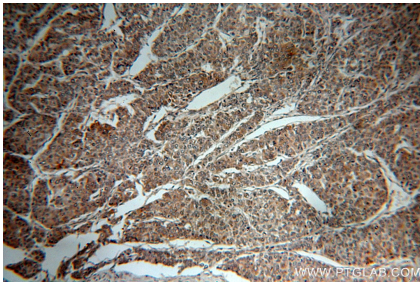

IP result of anti-Paxillin (IP:10029-1-Ig, 3ug; Detection:10029-1-Ig 1:1000) with mouse brain tissue lysate 7500ug.
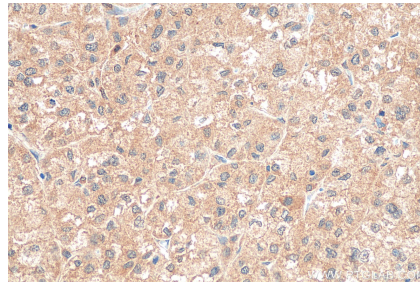

Immunohistochemical analysis of paraffin-embedded human liver cancer using 10029-1-Ig(PXN antibody) at dilution of 1:50 (under 40x lens).

COLO 320 cells were subjected to SDS PAGE followed by western blot with 10029-1-Ig (Paxillin Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human liver cancer using 10029-1-Ig(PXN antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10029-1-Ig (Paxillin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).