

For Research Use Only

# Radixin Polyclonal antibody

Catalog Number: 13790-1-AP

3 Publications



## Basic Information

### Catalog Number:

13790-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4813

### GenBank Accession Number:

BC047109

### GeneID (NCBI):

5962

### UNIPROT ID:

P35241

### Full Name:

radixin

### Calculated MW:

583 aa, 68 kDa

### Observed MW:

75 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:2000-1:12000

IHC: 1:20-1:200

IF/ICC: 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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** : HEK-293 cells, mouse pancreas tissue, Y79 cells, rat pancreas tissue

**IHC** : human pancreas cancer tissue, human liver cancer tissue, human pancreas tissue

**IF/ICC** : MCF-7 cells,

## Background Information

Radixin belongs to the ezrin-radixin-moesin (ERM) family of proteins which act as cross-linkers between membrane and actin cytoskeleton. ERM proteins provide structural links to strengthen the cell cortex and facilitate several key cellular processes, including membrane dynamics, substrate adhesion, cell survival, cell adhesion, and motility. The function of ERM proteins is highly reliant on phosphorylation induced conformational changes in response to chemokine and antigen stimulation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Mark Pines	28082118	Am J Pathol	IF
Lina Yu	40153976	Theriogenology	WB
Xin Zhang	38924997	Drug Resist Updat	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

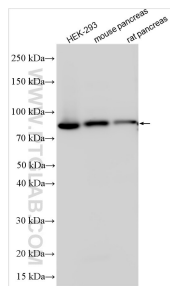
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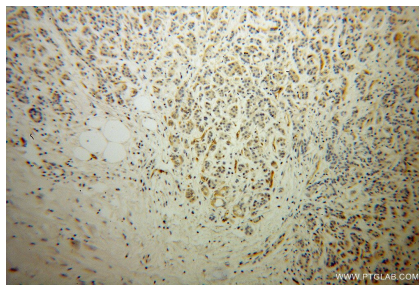
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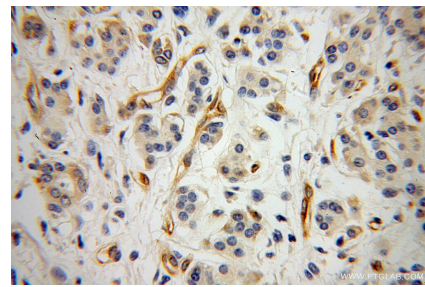
## Selected Validation Data



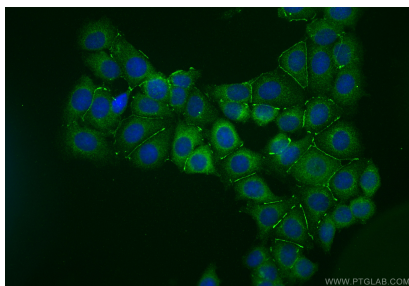
Various lysates were subjected to SDS PAGE followed by western blot with 13790-1-AP (Radixin antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 13790-1-AP (Radixin antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 13790-1-AP (Radixin antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using Radixin antibody (13790-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).