

For Research Use Only

# Moesin Recombinant antibody

Catalog Number: 82009-1-RR

Featured Product



## Basic Information

### Catalog Number:

82009-1-RR

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9623

### GenBank Accession Number:

BC017293

### GeneID (NCBI):

4478

### UNIPROT ID:

P26038

### Full Name:

moesin

### Calculated MW:

577 aa, 68 kDa

### Observed MW:

68-70 kDa

### Purification Method:

Protein A purification

### CloneNo.:

3B8

### Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:50-1:500

IF/ICC 1:1000-1:4000

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Species Specificity:

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** : HeLa cells, SGC-7901 cells, NK-92 cells, Jurkat cells, C6 cells, RAW 264.7 cells

**IHC** : mouse kidney tissue, human placenta tissue

**IF/ICC** : HepG2 cells,

## Background Information

Moesin 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 growth factor, chemokine, and antigen stimulation. This antibody may cross-react with ezrin or radixin with molecular weights around 68-70 kDa.

## Storage

### Storage:

Store at -20°C. 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

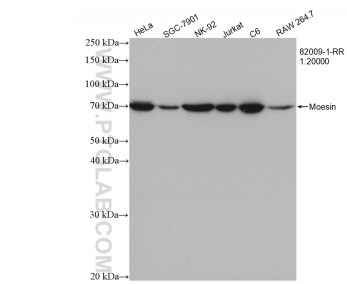
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

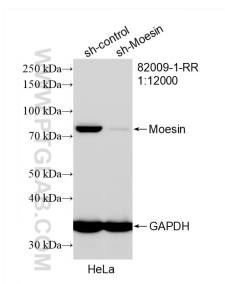
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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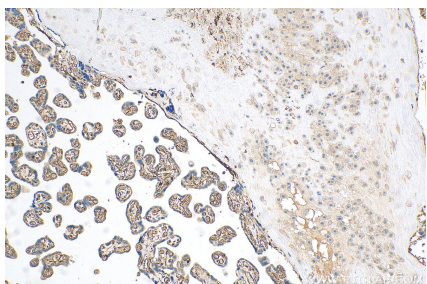
Selected Validation Data



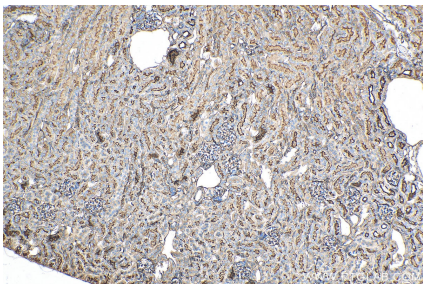
Various lysates were subjected to SDS PAGE followed by western blot with 82009-1-RR (MSN antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



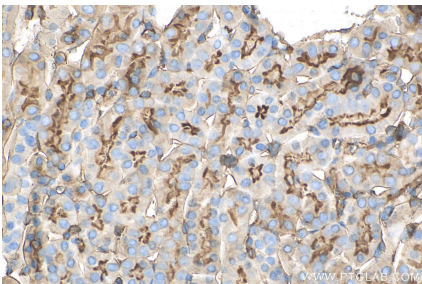
WB result of Moesin antibody (82009-1-RR; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Moesin transfected HeLa cells.



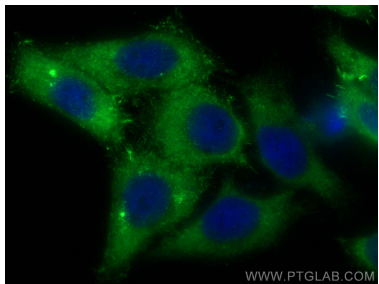
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 82009-1-RR (Moesin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



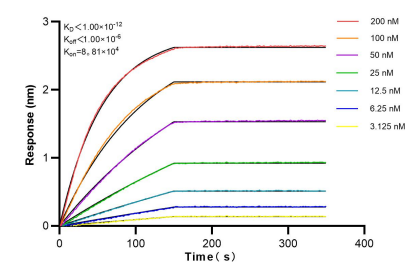
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 82009-1-RR (Moesin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 82009-1-RR (Moesin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Moesin antibody (82009-1-RR, Clone: 3B8 ) at dilution of 1:2000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 82009-1-RR against Human MSN were performed. The affinity constant is below 1 pM.