

For Research Use Only

Moesin Polyclonal antibody

Catalog Number: 16495-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

16495-1-AP

Concentration:

500 ug/ml

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:

Antigen affinity purification

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:200-1:800

IF/ICC: 1:50-1:500

FC (Intra): 0.20 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF, IP

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: BxPC-3 cells, HeLa cells, Jurkat cells, NIH/3T3 cells, Raji cells, SGC-7901 cells, C6 cells

IHC: human placenta tissue, human skin tissue, human ovary tissue, mouse kidney tissue, human colon

IF/ICC: HepG2 cells,

FC (Intra): 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Krishnendu Khan	33086476	Int J Mol Sci	WB
Mark Pines	28082118	Am J Pathol	IF
Maidinimu Abudula	35557941	Front Cell Dev Biol	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

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

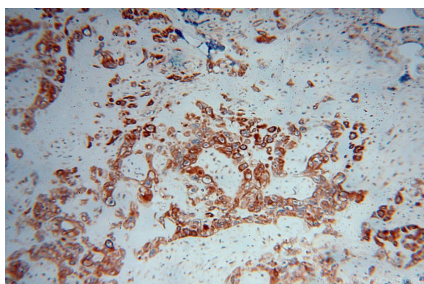
T: 4006900926

E: Proteintech-CN@ptglab.com

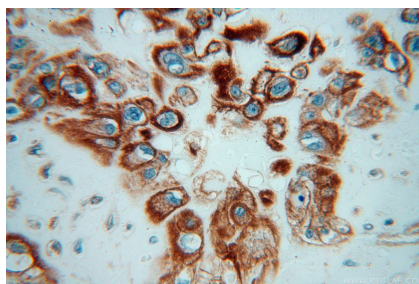
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

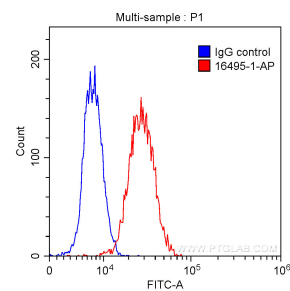
Selected Validation Data



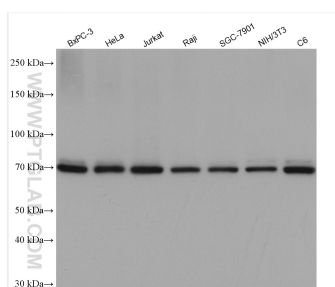
Immunohistochemical analysis of paraffin-embedded human placenta using 16495-1-AP (Moesin antibody) at dilution of 1:50 (under 10x lens).



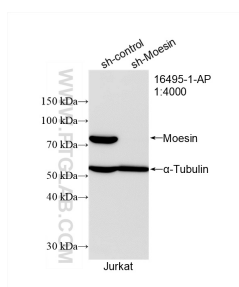
Immunohistochemical analysis of paraffin-embedded human placenta using 16495-1-AP (Moesin antibody) at dilution of 1:50 (under 40x lens).



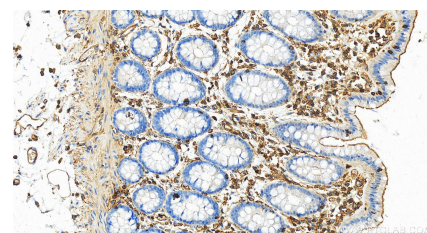
1X10⁶ HepG2 cells were intracellularly stained with 0.20ug Anti-Human Moesin (16495-1-AP) (red) or 0.20 ug control antibody (blue) and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000. Fixed with 90% MeOH.



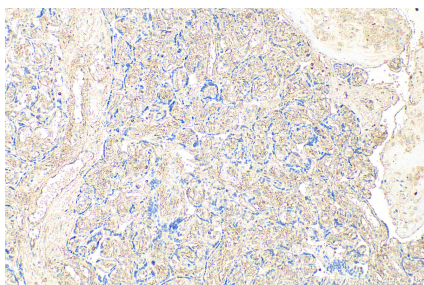
Various lysates were subjected to SDS PAGE followed by western blot with 16495-1-AP (Moesin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



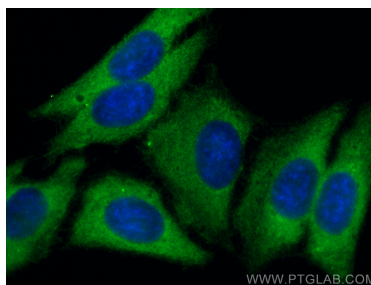
WB result of Moesin antibody (16495-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Moesin transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded human colon slide using 16495-1-AP (Moesin antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 16495-1-AP (Moesin antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using Moesin antibody (16495-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).