

For Research Use Only

ABLIM1 Polyclonal antibody

Catalog Number: 15129-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

15129-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7258

GenBank Accession Number:

BC002448

GeneID (NCBI):

3983

UNIPROT ID:

O14639

Full Name:

actin binding LIM protein 1

Calculated MW:

88 kDa

Observed MW:

48-52 kDa, 105-110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, 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 : HeLa cells, HEK-293 cells, NCI-H1299 cells

IHC : human liver tissue,

IF-P : mouse skeletal muscle tissue,

IF/ICC : HEK-293 cells,

Background Information

ABLIM1 (actin-binding LIM protein 1) is a member of the LIM-domain protein family, mediating interactions between actin filaments and cytoplasmic targets. ABLIM1 has been reported as a cell cortex protein specifically in non-erythrocytes, and is critical for the formation of dense interwoven cortical actin meshwork. Due to the alternative splicing, ABLIM1 has multiple isoforms with predicted masses of 52, 70, and 88 kDa, respectively (PMID: 9245787). The phosphorylation or binding with SUMO2 may result in higher MW.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Dong	33061800	Int J Biol Sci	WB
Haruna Narahara	29904924	J Cell Physiol	WB
Cao Jingli J	22684256	Nat Cell 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

Aliquoting is unnecessary for -20°C storage

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

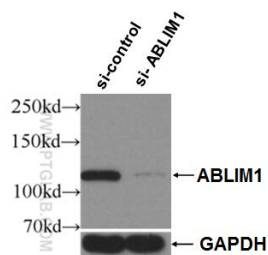
T: 4006900926

E: Proteintech-CN@ptglab.com

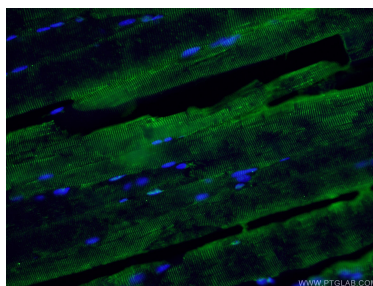
W: ptgcn.com

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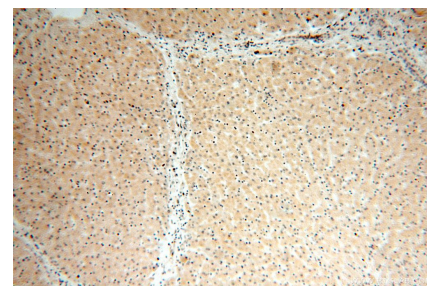
Selected Validation Data



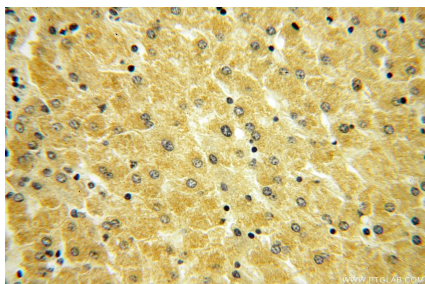
WB result of ABLIM1 antibody (15129-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ABLIM1 transfected HeLa cells.



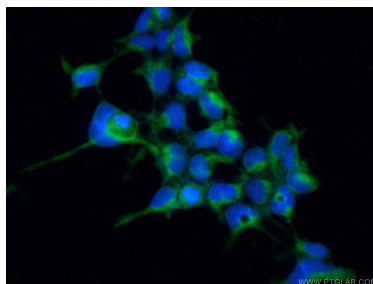
Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using 15129-1-AP (ABLIM1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human liver using 15129-1-AP (ABLIM1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 15129-1-AP (ABLIM1 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 15129-1-AP (ABLIM1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).