

For Research Use Only

HMCN1 Polyclonal antibody

Catalog Number: 18837-1-AP

3 Publications



Basic Information

Catalog Number:

18837-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_031935

GeneID (NCBI):

83872

UNIPROT ID:

Q96RW7

Full Name:

hemicentin 1

Calculated MW:

613 kDa, 600 kDa, 60 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat

Positive Controls:

WB : mouse skin tissue,

IHC : human colon tissue,

IF/ICC : hTERT-RPE1 cells, MCF-7 cells

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

Background Information

Hemicentin-1 (HMCN1), also known as fibulin-6 (FIBL-6), is an extracellular protein of the immunoglobulin superfamily. HMCN1 consists of a von Willebrand A domain, tandem immunoglobulin modules, tandem EGF modules, and a fibulin carboxy-terminal module (PMID: 24912920). Mutations of HMCN1 gene may be associated with age-related macular degeneration. Three alternative transcripts encoding different HMCN1 isoforms have been described. This antibody raised against a synthesized peptide corresponding to 960-976 amino acids of human HMCN1 can recognize all three isoforms of HMCN1.

Notable Publications

Author	Pubmed ID	Journal	Application
Junyu Han	36034861	Front Pharmacol	WB
Thomas Joris	39509441	PLoS Pathog	IHC
Yujia Cui	39050894	Front Cell Dev Biol	IHC

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

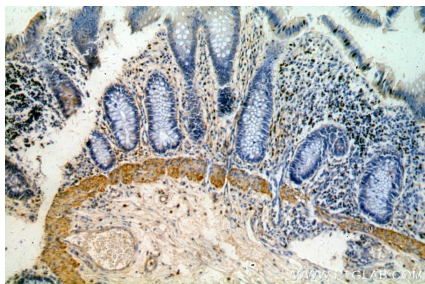
For technical support and original validation data for this product please contact:

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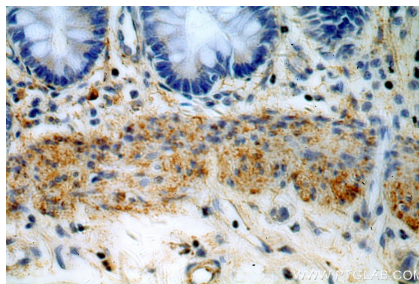
E: proteintech@ptglab.com
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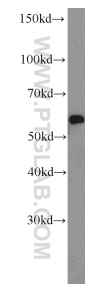
Selected Validation Data



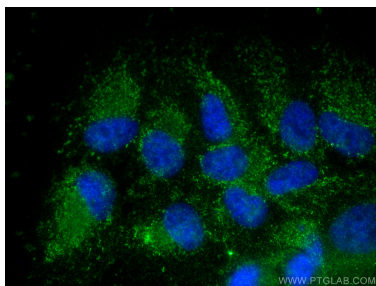
Immunohistochemical analysis of paraffin-embedded human colon using 18837-1-AP (HMCN1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 18837-1-AP (HMCN1 antibody) at dilution of 1:50 (under 40x lens).



mouse skin tissue were subjected to SDS PAGE followed by western blot with 18837-1-AP (HMCN1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using HMCN1 antibody (18837-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).