

For Research Use Only

HMCN1 Polyclonal antibody

Catalog Number: 18837-1-AP **1 Publications**



Basic Information

Catalog Number: 18837-1-AP	GenBank Accession Number: NM_031935	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 83872	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q96RW7	
Isotype: IgG	Full Name: hemicentin 1	
	Calculated MW: 613 kDa, 600 kDa, 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, IF/ICC, IHC, ELISA	Positive Controls: WB : mouse skin tissue, IHC : human colon tissue, IF : hTERT-RPE1 cells, MCF-7 cells
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: rat	
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

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

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

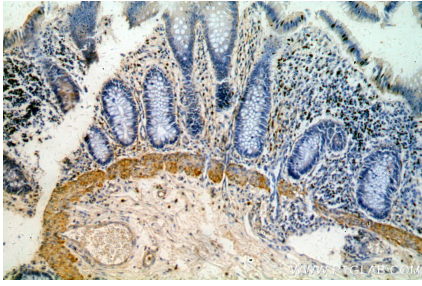
T: 4006900926

E: Proteintech-CN@ptglab.com

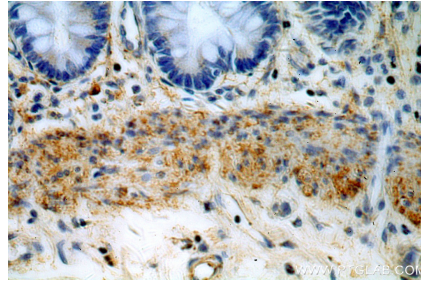
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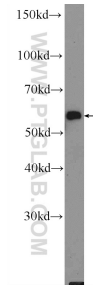
Selected Validation Data



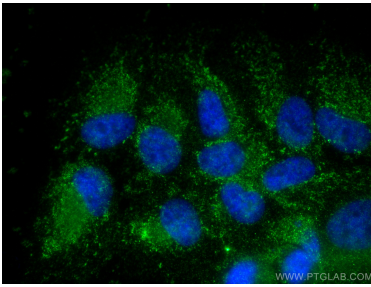
Immunohistochemical analysis of paraffin-embedded human colon using 18837-1-AP (HMCN1 antibody) at dilution of 1:50 (under 10x lens).



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 AffiniPure Goat Anti-Rabbit IgG(H+L).