

For Research Use Only

EMCN Polyclonal antibody

Catalog Number: 34333-1-AP



Basic Information

Catalog Number: 34333-1-AP	GenBank Accession Number: NM_001163522.1	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 59308	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	UNIPROT ID: Q9R0H2-1	IHC: 1:200-1:800
Immunogen Catalog Number: EG6353	Full Name: endomucin	IF-P: 1:50-1:500
	Calculated MW: 28 kDa	
	Observed MW: 70-90 kDa	

Applications

Tested Applications:
WB, IHC, IF-P, ELISA

Species Specificity:
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, HepG2 cells, L02 cells, mouse heart tissue

IHC : mouse kidney tissue,

IF-P : mouse lung tissue,

Background Information

Endomucin (EMCN), also known as Endomucin 2 or Mucin 14, is a type I integral membrane glycoprotein that is endothelial-specific. EMCN is expressed on the surface of capillaries and venous and is highly expressed in highly vascularized tissues such as heart, kidney and lung (PMID: 29215001). Endomucin plays an important role in cell interaction, molecular cell signaling, angiogenesis and cell migration (PMID: 33532708). Since it is glycosylated, the apparent molecular weight of EMCN could be variable, ranging from 70 kDa to 120 kDa.

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:

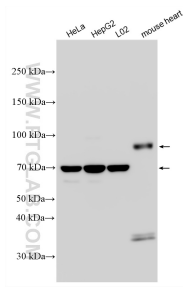
T: 4006900926

E: Proteintech-CN@ptglab.com

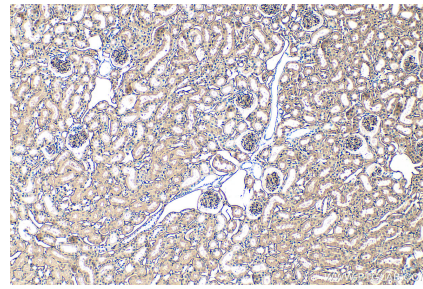
W: ptgcn.com

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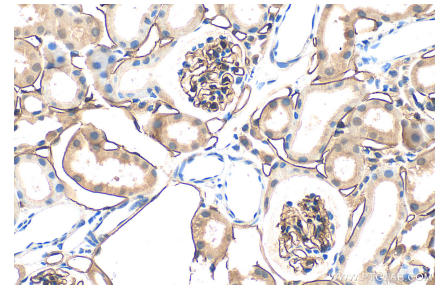
Selected Validation Data



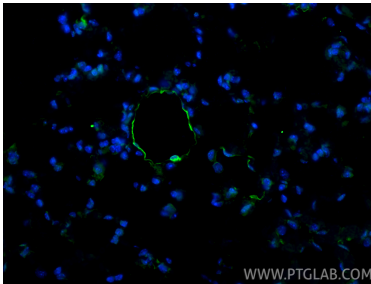
Various lysates were subjected to SDS PAGE followed by western blot with 34333-1-AP (Endomucin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 34333-1-AP (Endomucin antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 34333-1-AP (Endomucin antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse lung tissue using EMCN antibody (34333-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).