

For Research Use Only

# EMCN Polyclonal antibody, PBS Only

Catalog Number: 11828-1-PBS



## Basic Information

**Catalog Number:**

11828-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2396

**GenBank Accession Number:**

BC017781

**GeneID (NCBI):**

51705

**UNIPROT ID:**

Q9ULCO

**Full Name:**

endomucin

**Calculated MW:**

19 kDa, 27 kDa

**Observed MW:**

85 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse

## 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 80 kDa to 120 kDa.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

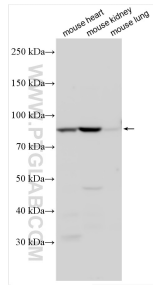
For technical support and original validation data for this product please contact:

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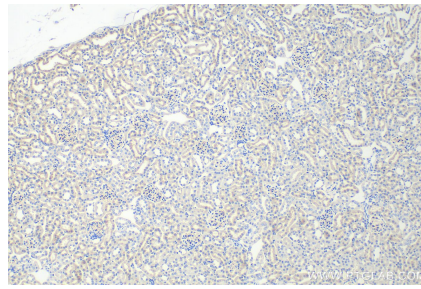
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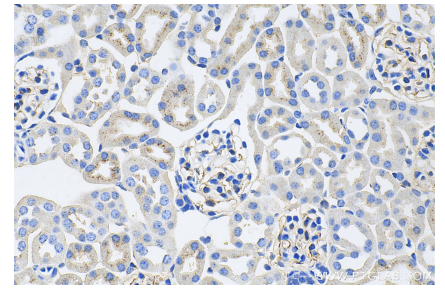
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11828-1-AP (EMCN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11828-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 11828-1-AP (EMCN antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11828-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 11828-1-AP (EMCN antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11828-1-PBS in a different storage buffer formulation.