

For Research Use Only

# TINAG-Specific Polyclonal antibody

Catalog Number: 19747-1-AP

1 Publications



## Basic Information

Catalog Number:

19747-1-AP

Size:

150ul , Concentration: 1000 ug/ml by Nanodrop and 487 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_014464

GeneID (NCBI):

27283

UNIPROT ID:

Q9UJW2

Full Name:

tubulointerstitial nephritis antigen

Calculated MW:

55 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:20-1:200

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse

Cited Species:

human

**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 : mouse small intestine tissue, human kidney tissue, human placenta tissue

IHC : human colon tissue,

## Background Information

TINAG belongs to the peptidase C1 family. TINAG mediates adhesion of proximal tubule epithelial cells via integrins alpha3-beta1 and alphaV-beta3. It is a non catalytic peptidase C1 family protein. Antibodies against TINAG are found in sera of patients with tubulointerstitial nephritis, a rare autoimmune disorder that causes acute and chronic renal injury. It has 2 isoforms produced by alternative splicing. The antibody is specific to TINAG.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuan Zhou	38617519	Transl Cancer Res	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

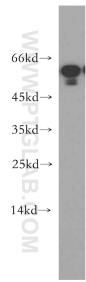
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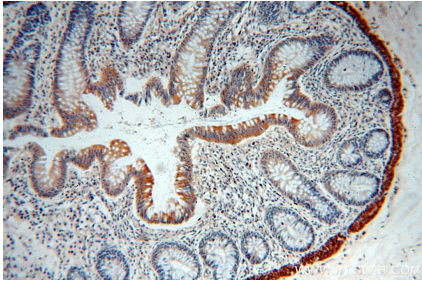
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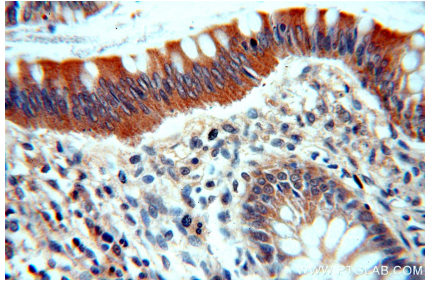
Selected Validation Data



mouse small intestine tissue were subjected to SDS PAGE followed by western blot with 19747-1-AP (TINAG-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon using 19747-1-AP (TINAG-Specific antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 19747-1-AP (TINAG-Specific antibody) at dilution of 1:100 (under 40x lens).