

For Research Use Only

# A1CF Polyclonal antibody

Catalog Number: 25812-1-AP



## Basic Information

<b>Catalog Number:</b> 25812-1-AP	<b>GenBank Accession Number:</b> BC054873	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 200 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29974	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NQ94	
<b>Isotype:</b> IgG	<b>Full Name:</b> APOBEC1 complementation factor	
<b>Immunogen Catalog Number:</b> AG22929	<b>Calculated MW:</b> 594 aa, 65 kDa	
	<b>Observed MW:</b> 65 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> mouse liver tissue,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse colon tissue,

## Background Information

A1CF, also known as Apobec-1 complementation factor, is an RNA-binding protein that plays a crucial role in the post-transcriptional editing of apolipoprotein B (apoB) mRNA. It is a component of the enzyme complex responsible for converting a CAA codon for glutamine to a UAA stop codon in apoB mRNA, resulting in the production of a truncated protein, apoB48, instead of the full-length apoB100.

## Storage

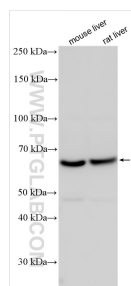
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

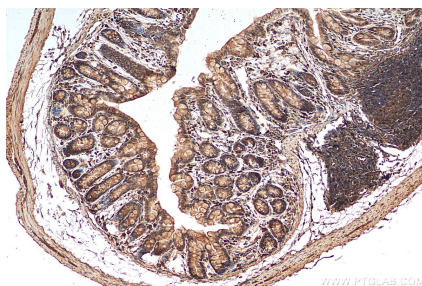
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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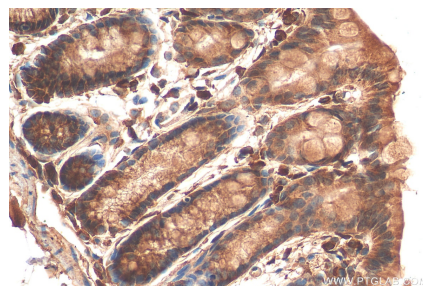
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25812-1-AP (A1CF antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 25812-1-AP (A1CF antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 25812-1-AP (A1CF antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).