

For Research Use Only

# APOBEC3G Polyclonal antibody

Catalog Number: 10608-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 10608-1-AP	<b>GenBank Accession Number:</b> BC024268	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 60489	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HC16	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G	IHC 1:20-1:200
<b>Immunogen Catalog Number:</b> AG0887	<b>Calculated MW:</b> 46 kDa	IF 1:20-1:200
	<b>Observed MW:</b> 46 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : mouse colon tissue, IP : COLO 320 cells, IHC : human testis tissue, human colon cancer tissue IF : MCF-7 cells,
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

APOBEC3G (apolipoprotein B mRNA-editing enzyme, catalytic polypeptide-like 3G, also known as CEM15), a member of the APOBEC family of cytidine deaminase-editing enzymes, is a potent DNA mutator that can be packaged into budding retroviruses. HA-tagged APOBEC3G can be expressed in 293T cells, which do not express APOBEC3G endogenously, in addition 22- and 24-kDa proteolytic degradation fragments can be detected by western blot (PMID:14672928). It has 2 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Sun	35884600	Cancers (Basel)	WB
Li Jianhua J	23832071	Nat Immunol	WB
Ding Qingqing Q	21985787	J Clin Invest	WB, IHC

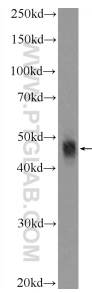
## Storage

**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

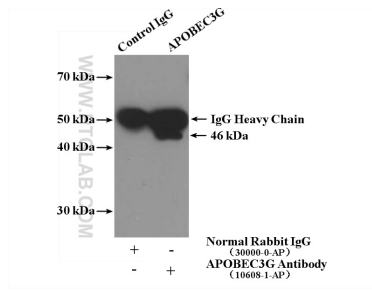
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

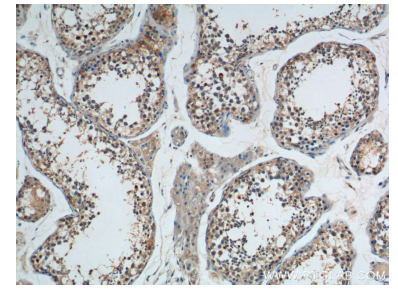
## Selected Validation Data



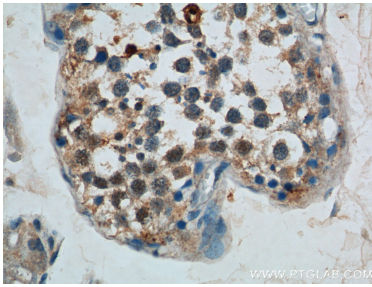
mouse colon tissue were subjected to SDS PAGE followed by western blot with 10608-1-AP (APOBEC3G Antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



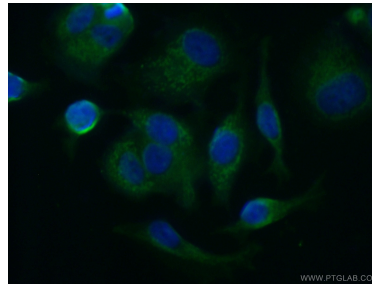
IP result of anti-APOBEC3G (IP:10608-1-AP, 4 $\mu$ g; Detection:10608-1-AP 1:300) with COLO 320 cells lysate 2240 $\mu$ g.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10608-1-AP (APOBEC3G Antibody) at dilution of 1:200 (under 10 $\times$  lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 10608-1-AP (APOBEC3G Antibody) at dilution of 1:200 (under 40 $\times$  lens).



Immunofluorescent analysis of MCF-7 cells using 10608-1-AP (APOBEC3G antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).