

APOBEC3G Polyclonal antibody

Catalog Number: 10608-1-AP

3 Publications

Basic Information

Catalog Number:

10608-1-AP

Size:

150ul, Concentration: 300 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0887

GenBank Accession Number:

BC024268

GeneID (NCBI):

60489

UNIPROT ID:

Q9HC16

Full Name:

apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G

Calculated MW:

46 kDa

Observed MW:

46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IP, IF, IHC, ELISA

Cited Applications:

WB, 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 colon tissue,

IP : COLO 320 cells,

IHC : human testis tissue, human colon cancer tissue

IF/ICC : MCF-7 cells,

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

*** 20ul sizes contain 0.1% BSA

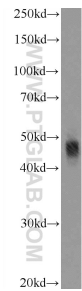
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

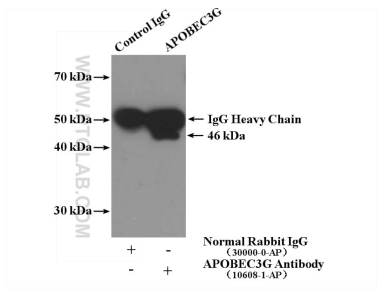
E: proteintech@ptglab.com
W: ptglab.com

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

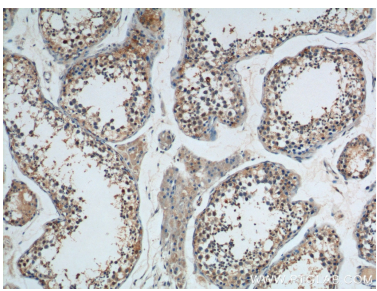
Selected Validation Data



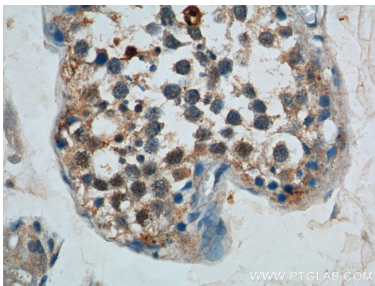
mouse colon tissue were subjected to SDS PAGE followed by western blot with 10608-1-AP (APOBEC3G Antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



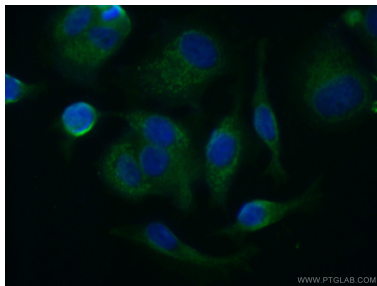
IP result of anti-APOBEC3G (IP:10608-1-AP, 4ug; Detection:10608-1-AP 1:300) with COLO 320 cells lysate 2240ug.



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



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