

For Research Use Only

APOBEC3G Polyclonal antibody

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



Basic Information

Catalog Number: 10608-1-AP	GenBank Accession Number: BC024268	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 60489	Recommended Dilutions: WB 1:200-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G	IHC 1:20-1:200 IF 1:20-1:200
Isotype: IgG	Calculated MW: 46 kDa	
Immunogen Catalog Number: AG0887	Observed MW: 46 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB: mouse colon tissue,
Species Specificity: human, mouse	IP: COLO 320 cells,
Cited Species: human	IHC: human testis tissue, human colon cancer tissue
	IF: MCF-7 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

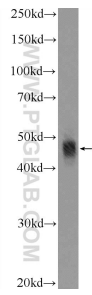
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

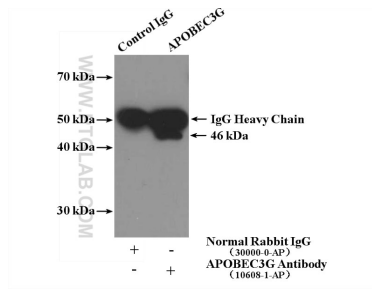
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

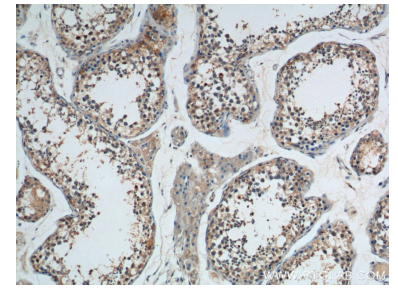
Selected Validation Data



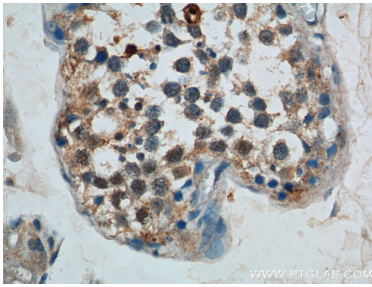
mouse colon tissue were subjected to SDS PAGE followed by western blot with 10608-1-AP (APOBEC3G Antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



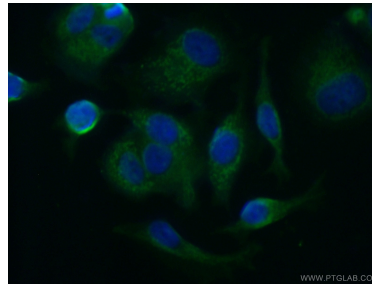
IP Result of anti-APOBEC3G (IP:10608-1-AP, 4ug; Detection:10608-1-AP 1:300) with COLO 320 cells lysate 2240ug.



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).