

APOBEC3G Rabbit pAb

Catalog No.: A1459 **2 Publications**

Basic Information

Observed MW

46kDa

Calculated MW

46kDa

Category

Primary antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. The protein encoded by this gene catalyzes site-specific deamination of both RNA and single-stranded DNA. The encoded protein has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity.

Recommended Dilutions

WB 1:500 - 1:2000**IHC-P** 1:50 - 1:200**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

60489

Swiss Prot

Q9HC16

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 60-330 of human APOBEC3G (NP_068594.1).

Synonyms

A3G; ARCD; ARP9; ARP-9; CEM15; CEM-15; MDS019; bK150C2.7; dj494G10.1; APOBEC3G

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

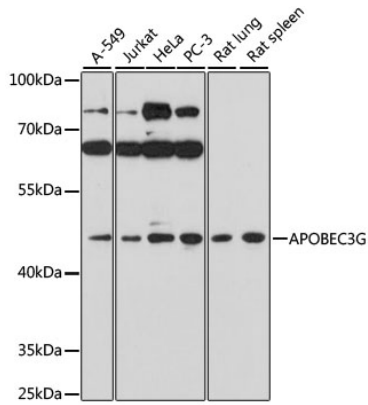
Affinity purification

Storage

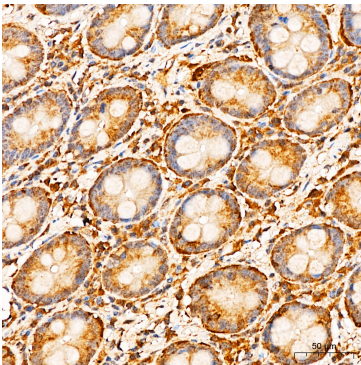
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

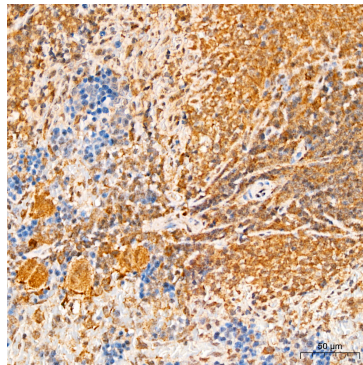
Validation Data



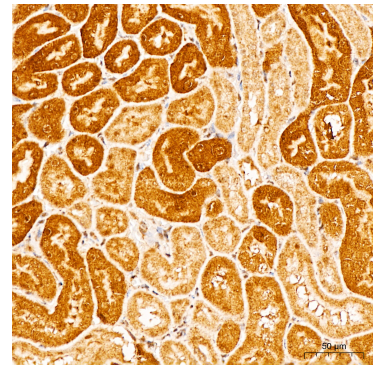
Western blot analysis of various lysates using APOBEC3G Rabbit pAb (A1459) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using APOBEC3G Rabbit pAb (A1459) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using APOBEC3G Rabbit pAb (A1459) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using APOBEC3G Rabbit pAb (A1459) at a dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.