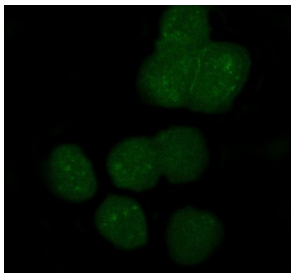
APOBEC3G Antibody (R32470)

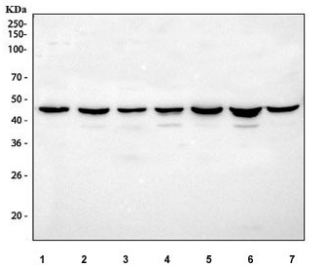
Catalog No.	Formulation	Size
R32470	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9HC16
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml
Limitations	This APOBEC3G antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with APOBEC3G antibody (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human Jurkat, 2) human HEL, 3) human RT4, 4) rat testis, 5) rat PC-12, 6) mouse testis and 7) mouse RAW264.7 cell lysate with APOBEC3G antibody at 0.5ug/ml. Predicted molecular weight: ~46 kDa.

Description

APOBEC3G (Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G) is a human enzyme encoded by the APOBEC3G gene. 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. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. The protein encoded by this gene has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity.

Application Notes

Optimal dilution of the APOBEC3G antibody should be determined by the researcher.

Immunogen

Amino acids E191-N384 were used as the immunogen for the APOBEC3G antibody.

Storage

Prior to reconstitution, store at 4oC. After reconstitution, the APOBEC3G antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.