

Anti-Human APOBEC3A Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA02062

3th Edition

Description: 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 lacks the zinc binding activity of other family members. The protein plays a role in immunity, by restricting transmission of foreign DNA such as viruses. One mechanism of foreign DNA restriction is deamination of foreign double-stranded DNA cytidines to uridines, which leads to DNA degradation. However, other mechanisms are also thought to be involved, as anti-viral effect is not dependent on deaminase activity. Two transcript variants encoding different isoforms have been found for this gene. APOBEC3A (Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 3A) is a Protein Coding gene. Among its related pathways are mRNA Editing- C to U Conversion and Gene Expression. GO annotations related to this gene include hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amidines and deoxycytidine deaminase activity. An important paralog of this gene is APOBEC3B.

Antigen: Synthesized peptide derived from the Internal region of human APOBEC3A

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Expressed in peripheral leukocytes and keratinocytes.