

Datasheet for ABIN5647471
anti-APOBEC3G antibody

3 Images

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Overview

| | |
|--------------|---|
| Quantity: | 100 µg |
| Target: | APOBEC3G |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This APOBEC3G antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

Product Details

| | |
|---------------|---|
| Immunogen: | Amino acids E191-N384 were used as the immunogen for the APOBEC3G antibody. |
| Isotype: | IgG |
| Purification: | Antigen affinity purified |

Target Details

| | |
|-------------------|--|
| Target: | APOBEC3G |
| Alternative Name: | APOBEC3G (APOBEC3G Products) |
| Background: | 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 |

Target Details

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.

UniProt: [Q9HC16](#)

Application Details

Application Notes: Western blot: 0.5-1 µg/mL, IHC (FFPE): 1-2 µg/mL, FACS: 1-3 µg/10⁶ cells

Restrictions: For Research Use only

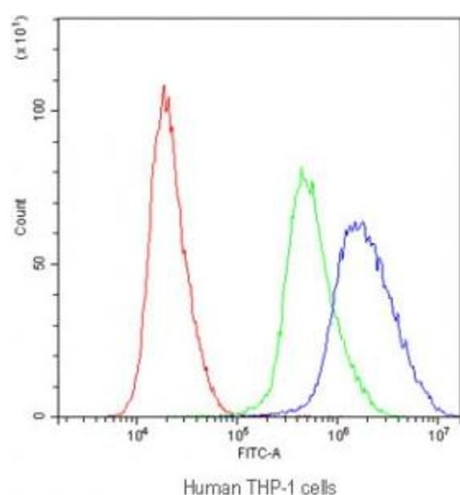
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

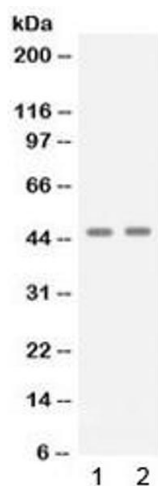
Storage Comment: Prior to reconstitution, store at 4°C. After reconstitution, the APOBEC3G antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



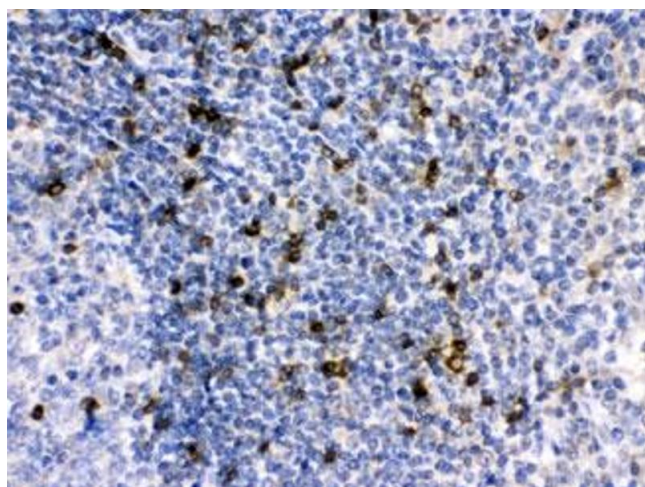
Flow Cytometry

Image 1. Flow cytometry testing of human THP-1 cells with APOBEC3G antibody at 1 µg/10⁶ cells (blocked with goat sera)



Western Blotting

Image 2. Western blot testing of 1) human A431 and 2) human Jurkat cell lysate with APOBEC3G antibody at 0.5ug/ml. Predicted molecular weight: ~46 kDa.



Immunohistochemistry

Image 3. IHC testing of FFPE human tonsil with APOBEC3G antibody at 1ug/ml. HIER: steam in pH6 citrate buffer and allow to cool prior to staining.