Datasheet for ABIN4886468

anti-APOBEC3G antibody (AA 191-384)

3 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	APOBEC3G
Binding Specificity:	AA 191-384
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOBEC3G antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for DNA dC->dU-editing enzyme APOBEC-3G(APOBEC3G) detection. Tested with WB, IHC-P in Human.
Immunogen:	E.coli-derived human APOBEC3G recombinant protein (Position: E191-N384).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for DNA dC->dU-editing enzyme APOBEC-3G(APOBEC3G) detection. Tested with WB, IHC-P in Human. Gene Name: apolipoprotein B mRNA editing enzyme catalytic subunit 3G Protein Name: DNA dC->dU-editing enzyme APOBEC-3G
Purification:	Immunogen 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 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. Synonyms: A3G | APOBEC3G | ARCD | ARP-9 | ARP9 | CEM-15 | CEM15 | deoxycytidine deaminase | MDS019 | Q9HC16
Gene ID:	60489

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

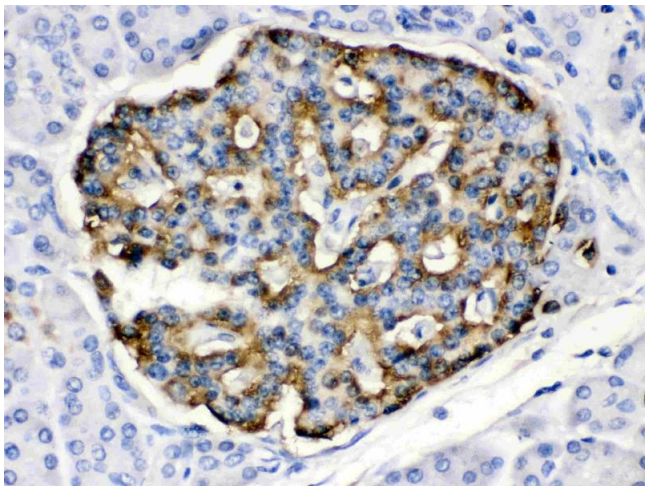
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide

Handling

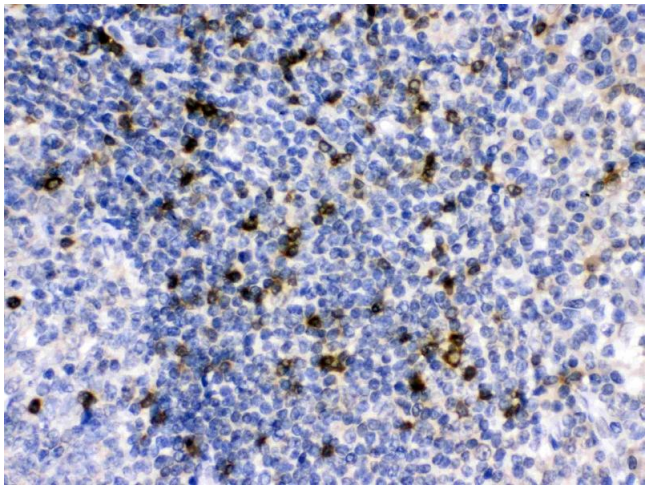
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Immunohistochemistry

Image 1. APOBEC3G was detected in paraffin-embedded sections of human pancreatic cancer tissues using rabbit anti- APOBEC3G Antigen Affinity purified polyclonal antibody (Catalog #) at 1 ??g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Immunohistochemistry

Image 2. APOBEC3G was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti-APOBEC3G Antigen Affinity purified polyclonal antibody (Catalog #) at 1 µg/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Western Blotting

Image 3. Western blot analysis of APOBEC3G expression in A431 whole cell lysates (Lane 1), and JURKAT whole cell lysates (Lane 2). APOBEC3G at 46KD was detected using rabbit anti- APOBEC3G Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).