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# anti-APOBEC1 antibody (N-Term)

3 Images



Go to Product page

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|  |     |  |  |

| Overview             |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Quantity:            | 400 μL                                                                                    |
| Target:              | APOBEC1                                                                                   |
| Binding Specificity: | AA 7-36, N-Term                                                                           |
| Reactivity:          | Human                                                                                     |
| Host:                | Rabbit                                                                                    |
| Clonality:           | Polyclonal                                                                                |
| Conjugate:           | This APOBEC1 antibody is un-conjugated                                                    |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))        |
| Product Details      |                                                                                           |
| Immunogen:           | This Apobec1 antibody is generated from rabbits immunized with a KLH conjugated synthetic |
|                      | peptide between 7-36 amino acids from the N-terminal region of human Apobec1.             |
| Clone:               | RB1746                                                                                    |
| Isotype:             | Ig Fraction                                                                               |
| Purification:        | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by   |
|                      | dialysis against PBS.                                                                     |
| Target Details       |                                                                                           |
| Target:              | APOBEC1                                                                                   |
| Alternative Name:    | Apobec1 (APOBEC1 Products)                                                                |
|                      |                                                                                           |

#### **Target Details**

| Backgroun | d: |
|-----------|----|
|           |    |

APOBEC1 is involved in the production of apolipoprotein B (apoB)-48 from apoB-100. The gene spans 18 kb and contains five exons, all of which are translated. Alternative splicing produces a variant transcript that lacks exon 2 and encodes a novel 36-amino acid peptide. The exon 2-skipped transcript accounts for approximately 50 % of APOBEC1 mRNA in the adult small intestine and up to 90 % of APOBEC1 mRNA in the developing gut. Exon 2-skipping may thus be a quantitatively important mechanism for regulating the expression of this gene in the gastrointestinal tract.

Molecular Weight:

28192

Gene ID:

339

NCBI Accession:

NP\_001635

UniProt:

P41238

## **Application Details**

Application Notes:

WB: 1:1000. IHC-P: 1:50~100

Restrictions:

For Research Use only

## Handling

| Format |  |
|--------|--|
|--------|--|

Liquid

Buffer:

Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative:

Sodium azide

Precaution of Use:

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.

Storage:

4 °C,-20 °C

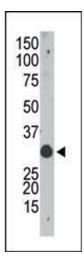
Storage Comment:

Maintain refrigerated at 2-8  $^{\circ}\text{C}$  for up to 6 months. For long term storage store at -20  $^{\circ}\text{C}$  in small

aliquots to prevent freeze-thaw cycles.

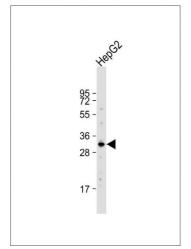
Expiry Date:

6 months



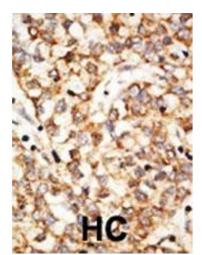
#### **Western Blotting**

**Image 1.** The anti-Apobec1 N-term Pab (ABIN388144 and ABIN2846479) is used in Western blot to detect Apobec in mouse small intestine tissue lysate.



#### **Western Blotting**

Image 2. Anti-Apobec1 Antibody (E22) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.