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APOBEC3 (C) Antibody, Rabbit Polyclonal

Cat#: R3473-2 **Lot#: Refer to vial**

Quantity: 100 ul **Application: WB**

Predicted I Observed M.W.: 51 kDa **Uniprot ID: Q99J72**

Background:

Apolipoprotein B mRNA-editing complex 3 (APOBEC3) is a DNA deaminase (cytidine deaminase) which acts as an inhibitor of retrovirus replication and retrotransposon mobility via deaminase-dependent and -independent mechanisms. APOBEC3 selectively targets single-stranded DNA and does not deaminate double-stranded DNA or single-or double-stranded RNA. APOBEC3 exhibits antiviral activity against HIV-1, simian immunodeficiency viruses (SIVs), mouse mammary tumor virus (MMTV) and friend murine leukemia virus (FrMLV) and may inhibit the mobility of LTR retrotransposons.

Other Names:

DNA dC->dU-editing enzyme APOBEC-3, Apolipoprotein B mRNA-editing complex 3, Arp3, CEM-15, CEM15

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of mouse APOBEC3. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Mouse

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

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Product Data:

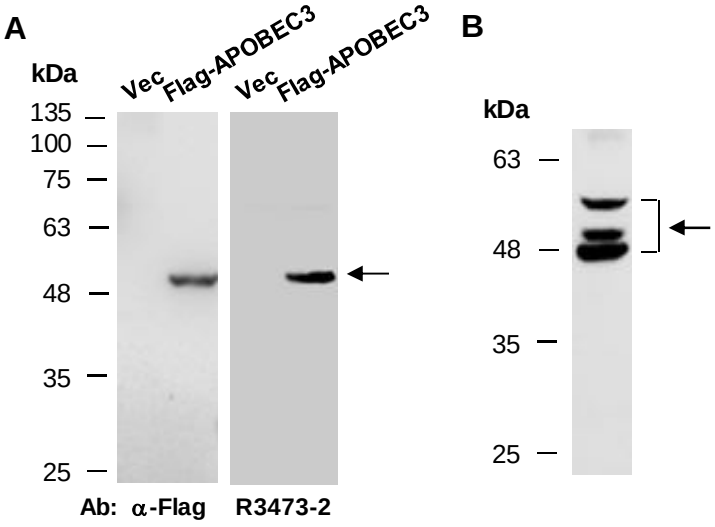

Fig 1. A) *Western blot of total cell extracts from human 293T cells transfected with a vector control (Vec) or Flag-tagged mouse APOBEC3, using the indicated Abs at RT for 2 h.* ***B)*** *Western blot of total cell extracts from mouse brain, using anti-APOBEC3 (C) (R3473-2) at RT for 2 h. APOBEC3 appears to have multiple isoforms generated by alternative splicing.*