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AICDA (C) Antibody, Rabbit Polyclonal

Cat#: R0976-2

Quantity: 100 ul

Predicted | Observed MW: 24 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9GZX7

Background:

Activation-induced cytidine deaminase (AICDA) belongs to the cytidine and deoxycytidylate deaminase family. AICDA is a single-stranded DNA-specific cytidine deaminase. AICDA is involved in somatic hypermutation, gene conversion, and class-switch recombination in B-lymphocytes. AICDA is required for several crucial steps of B-cell terminal differentiation necessary for efficient antibody responses and may also play a role in the epigenetic regulation of gene expression by participating in DNA demethylation.

Other Names:

Activation-induced cytidine deaminase, Cytidine aminohydrolase, AID

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing C-terminal region of human AICDA. 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% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

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

Product Data:

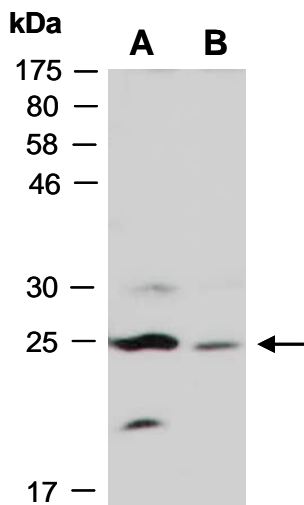


Fig 1. Western blot of total cell extracts from A) mouse brain, B) mouse thymus; using anti-AICDA (C) (R0976-2) at RT for 2 h.