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Datasheet for ABIN881945  
**anti-AICDA antibody (AA 101-198) (HRP)**

### Overview

Quantity:	100 µL
Target:	AICDA
Binding Specificity:	AA 101-198
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AICDA antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AICDA
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

### Target Details

Target:	AICDA
Alternative Name:	AICDA ( <a href="#">AICDA Products</a> )
Background:	Synonyms: AID, ARP2, CDA2, HIGM2, HEL-S-284, Single-stranded DNA cytosine deaminase,

## Target Details

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Activation-induced cytidine deaminase, Cytidine aminohydrolase, AICDA

Background: Single-stranded DNA-specific cytidine deaminase. Involved in somatic hypermutation, gene conversion, and class-switch recombination in B-lymphocytes. Required for several crucial steps of B-cell terminal differentiation necessary for efficient antibody responses. May also play a role in the epigenetic regulation of gene expression by participating in DNA demethylation.

Gene ID: 57379

UniProt: [Q9GZX7](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Actin Filament Polymerization](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

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Application Notes: IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months