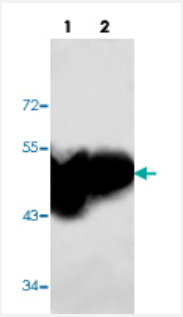
# AICDA polyclonal antibody

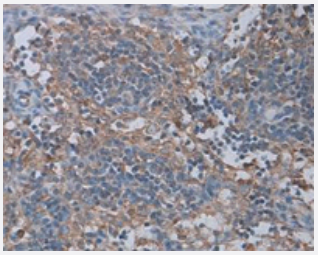
Catalog # PAB19827 Size 100 ug

## Applications




### Western Blot (Tissue lysate)

Western blot analysis of human placenta (Lane 1) and human liver (Lane 2) tissue lysate with AICDA polyclonal antibody (Cat # PAB19827) at 1:200 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed paraffin-embedded human lymph node showing staining with AICDA polyclonal antibody (Cat # PAB19827) at 1:100 dilution.

## Specification

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| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of AICDA. |
| **Immunogen** | A synthetic peptide corresponding to 16 amino acids near N-terminus of human AICDA. |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Form** | Liquid |
| **Purification** | Peptide affinity purification |

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| **Recommend Usage** | ELISA (1:1000-1:10000)<br>Western Blot (1:200-1000)<br>Immunohistochemistry (1:100-500)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In serum (0.02% sodium azide) |
| **Storage Instruction** | Store at 4°C for three months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — AICDA

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| **Entrez GeneID** | 57379 |
| **Protein Accession#** | Q9GZX7 |
| **Gene Name** | AICDA |
| **Gene Alias** | AID, ARP2, CDA2, HIGM2 |
| **Gene Description** | activation-induced cytidine deaminase |
| **Omim ID** | 605257 605258 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a RNA-editing deaminase that is a member of the cytidine deaminase family. The protein is involved in somatic hypermutation, gene conversion, and class-switch recombinatio n of immunoglobulin genes. Defects in this gene are the cause of autosomal recessive hyper-IgM immunodeficiency syndrome type 2 (HIGM2). [provided by RefSeq |

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| **Other Designations** | activation-induced deaminase\|integrated into Burkitt's lymphoma cell line Ramos |

## Pathway

- Primary immunodeficiency

## Disease

- Asthma
- Bronchial Hyperreactivity
- Gastritis
- Genetic Predisposition to Disease
- Helicobacter Infections
- Hematologic Diseases
- Hodgkin Disease
- Hypersensitivity
- Immunologic Deficiency Syndromes
- Kidney Failure
- Lymphoma
- Lymphoproliferative Disorders
- Occupational Diseases
- Severe Combined Immunodeficiency
- Stomach Neoplasms
- Tobacco Use Disorder
- Waldenstrom Macroglobulinemia
- Werner syndrome