

Rabbit anti-Human, Mouse AID Polyclonal Antibody | anti-AICDA antibody

AID Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40107	Rabbit	Human, Mouse	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

AID; Polyclonal Antibody; AID Antibody; ARP2; CDA2; HIGM2; HEL-S-284; Single-stranded DNA cytosine deaminase; Activation-induced cytidine deaminase; activation-induced cytidine deaminase; anti-AICDA antibody

PRODUCT SPECIFICATIONS

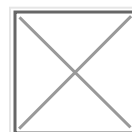
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	AID Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	198
Applicable Applications for anti-AICDA antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	AID antibody was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human AID.
Buffer	AID Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	AID antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



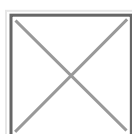
IF (Immunofluorescence)

Immunofluorescence of AID in Ramos cells with AID antibody at 20 μg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of AID in Ramos cells with Ramos antibody at 10 μg/mL.



WB (Western Blot)

Western blot analysis of AID in Ramos whole cell lysate with AID antibody at 2 μg/mL in either the (A) absence or (B) presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-AICDA antibody	AID Antibody: Activation-induced cytidine deaminase (AID) was initially discovered as a homolog of the apolipoprotein B RNA-editing cytidine deaminase 1 (APOBEC1) that showed cytidine deaminase properties in stimulated B cell lines. It is necessary for somatic hypermutation and class switch recombination in B cells, but inappropriate or dysregulated expression AID is often found in tumors and B cell neoplasms. Although it is structurally and functionally similar to the APOBEC proteins, it appears unlikely that AID deaminates dC to dU residues in HIV cDNA as does APOBEC3G.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22297218
NCBI GeneID	57379
UniProt Accession #	Q9GZX7; Q6QJ81; Q8NFC1
Molecular Weight	22,614 Da
NCBI Official Full Name	AID, partial
NCBI Official Synonym Full Names	activation-induced cytidine deaminase
NCBI Official Symbol	AICDA
NCBI Official Synonym Symbols	AID; ARP2; CDA2; HIGM2; HEL-S-284
NCBI Protein Information	single-stranded DNA cytosine deaminase; cytidine aminohydrolase; epididymis secretory protein Li 284; integrated into Burkitt's lymphoma cell line Ramos
UniProt Protein Name	Single-stranded DNA cytosine deaminase
UniProt Gene Name	AICDA
UniProt Synonym Gene Names	AID
UniProt Entry Name	AICDA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aid-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40107>