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Datasheet for 600-401-G74

AID Antibody

Overview

Description:	Anti-AID (RABBIT) Antibody - 600-401-G74
Item No.:	600-401-G74
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	AID antibody detects human AID. 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. Anti-AID antibodies are ideal for investigators involved in Apolipoprotein and Infectious Disease research.
Synonyms:	ARP2, CDA2, HIGM2, HEL-S-284, AID, Single-stranded DNA cytosine deaminase, Activation-induced cytidine deaminase
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	AID
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	AID Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide corresponding to amino acids near the c-terminus of human AID.

Purity/Specificity:	Anti-AID Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with AID with Human and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with AID from other sources has not been determined.
Relevant Links:	• NCBI - AAM95402 • UniProtKB - Q8NFC5

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-AID Antibody is tested for use in E, WB, and ICC. Expect a band approximately ~23.9 kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	20µg/mL
WB:	2µg/mL

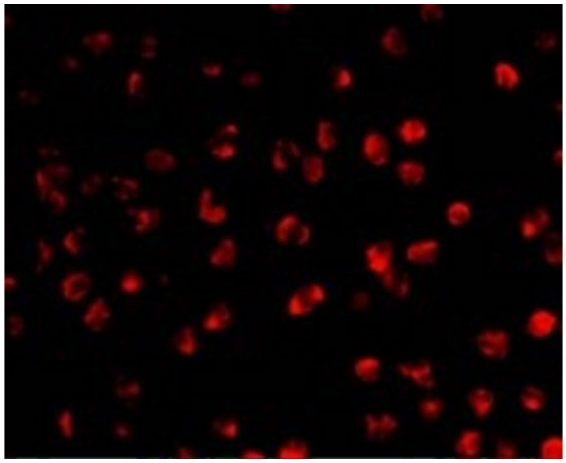
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

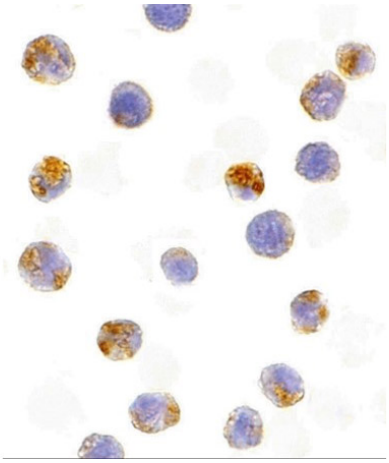
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

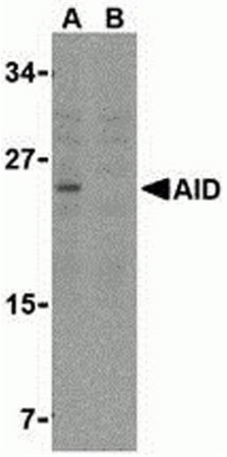
Images



Immunofluorescence Microscopy
Immunofluorescence of AID.
Cell: Ramos cells.
Primary Antibody: Anti-AID antibody at 20 µg/mL.



Immunocytochemistry
Immunocytochemistry of AID.
Cell: Ramos cells.
Primary Antibody: Anti-AID antibody at 10 µg/mL.



Western Blot
Western blot analysis of AID.
Load: Ramos whole cell lysate.
Priamry Antibody: Anti-AID antibody at 2 µg/mL in either the (A) absence or (B) presence of blocking peptide.

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Disclaimer

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