

ARG64575 anti-AID antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes AID
Tested Reactivity	Hu
Predict Reactivity	Cow, Pig
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	AID
Species	Human
Immunogen	RRKFLYQFKNVR-C
Conjugation	Un-conjugated
Alternate Names	Cytidine aminohydrolase; CDA2; HIGM2; Activation-induced cytidine deaminase; AID; EC 3.5.4.38; ARP2; Single-stranded DNA cytosine deaminase; HEL-S-284

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.3 µg/ml

Application Note
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 57379 Human](#)

[Swiss-port # Q9GZX7 Human](#)

Background

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 recombination of immunoglobulin genes. Defects in this gene are the cause of autosomal recessive hyper-IgM immunodeficiency syndrome type 2 (HIGM2). [provided by RefSeq, Feb 2009]

Research Area

Gene Regulation antibody; Immune System antibody

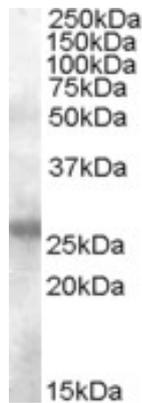
Calculated Mw

24 kDa

PTM

Ser-38 is the major site whereas Thr-27 is the minor site of phosphorylation. Phosphorylation regulates its class-switch recombination activity.
Probably monoubiquitinated on several residues by RNF126.

Images



ARG64575 anti-AID antibody WB image

Western Blot: Human Tonsil lysate (35 µg protein in RIPA buffer) stained with ARG64575 anti-AID antibody at 0.1 µg/ml dilution.