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Datasheet for ABIN6990415 anti-AICDA antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	AICDA
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AICDA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	AID antibody was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of human AID. The immunogen is located within the last 50 amino acids of AID.
Isotype:	IgG
Purification:	AID Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	AICDA
Alternative Name:	AID (AICDA Products)
Background:	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

Target Details

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.

Molecular Weight: Predicted: 22 kDa

Observed: 25 kDa

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

Application Notes: AID antibody can be used for detection of AID by Western blot at 2 µg/mL. Anti-AID is human and mouse reactive. Antibody can also be used for immunocytochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: AID Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C, 4 °C

Storage Comment: AID antibody can be stored at 4°C for three months and -20°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.