

Product datasheet for **TA306117**

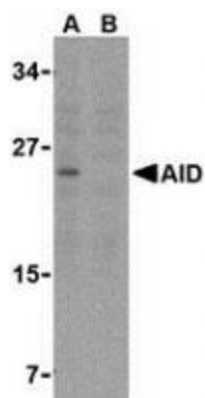
AICDA Rabbit Polyclonal Antibody

Product data:

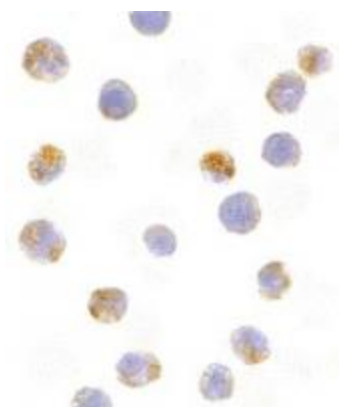
Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 2 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	AID antibody was raised against a peptide corresponding to 14 amino acids near the carboxy-terminus of human AID.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	activation-induced cytidine deaminase
Database Link:	AAM95402 Entrez Gene 57379 Human Q9GZX7
Background:	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 (1). It is necessary for somatic hypermutation and class switch recombination in B cells (2), but inappropriate or dysregulated expression AID is often found in tumors and B cell neoplasms (2,3). Although it is structurally and functionally similar to the APOBEC proteins (reviewed in 4), it appears unlikely that AID deaminates dC to dU residues in HIV cDNA as does APOBEC3G (5).
Synonyms:	AID; ARP2; CDA2; HEL-S-284; HIGM2



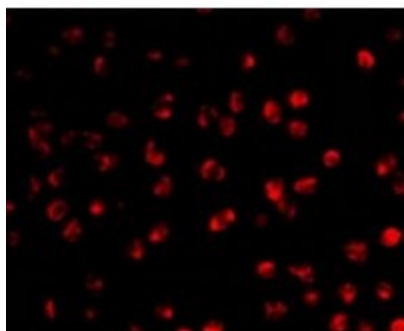
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Product images:

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



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



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