

产品名称: AID Rabbit Polyclonal Antibody
产品货号: APRab06697



产品概述 (Summary)

产品名称 (Production Name)	AID Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	AICDA
别名 (Alternative Names)	AICDA; AID; Activation-induced cytidine deaminase; Cytidine aminohydrolase
基因 ID (Gene ID)	57379.0
蛋白 ID (SwissProt ID)	Q9GZX7.The antiserum was produced against synthesized peptide derived from the Internal region of human AICDA. AA range:81-130

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	24kDa

研究背景 (Background)

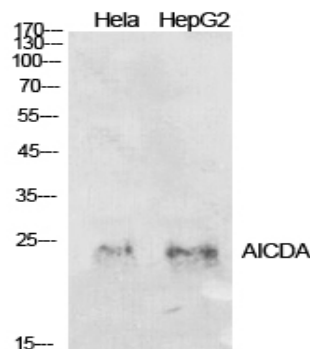
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This gene encodes a RNA-editing deaminase that is a member of the cytidine deaminase family. The protein is involved in somatic hypermutation, gene conversion, and class-switch recombination of immunoglobulin genes. Defects in this gene are the cause of autosomal recessive hyper-IgM immunodeficiency syndrome type 2 (HIGM2). [provided by RefSeq, Feb 2009],catalytic activity:Cytidine + H(2)O = uridine + NH(3),cofactor:Zinc,disease:Defects in AICDA are the cause of autosomal recessive hyper-IgM immunodeficiency syndrome type 2 (HIGM2) [MIM:605258]. HIGM2 is characterized by normal or elevated serum IgM levels with absence of IgG, IgA, and IgE, resulting in a profound susceptibility to bacterial infections. HIGM2 causes the absence of Ig class switch recombination (CSR), the lack of Ig somatic hypermutations, and lymph node hyperplasia caused by the presence of giant germinal centers,function:RNA-editing deaminase involved in somatic hypermutation, gene conversion, and class-switch recombination. Required for several crucial steps of B-cell terminal differentiation necessary for efficient antibody responses,online information:AICDA mutation db,similarity:Belongs to the cytidine and deoxycytidylate deaminase family.,tissue specificity:Strongly expressed in lymph nodes and tonsils,.

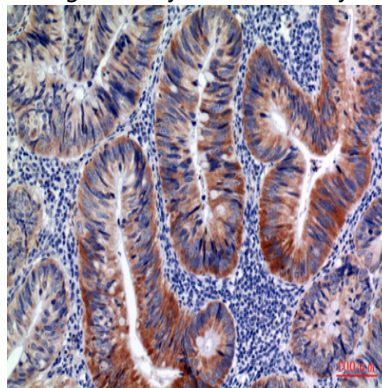
研究领域 (Research Area)

Intestinal immune network for IgA production;Primary immunodeficiency;

图片 (Image Data)



Western Blot analysis of HeLa, HepG2 cells using AID Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-colon-cancer, antibody was diluted at 1:100

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注意事项 (Note)

For research use only .