

Cytidine aminohydrolase Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252010

Unit: 0.1 mg

Description:

Activation-induced cytidine deaminase (cytidine aminohydrolase) is an RNA-editing deaminase involved in somatic hypermutation, gene conversion, and class-switch recombination. Cytidine deaminase is required for several crucial steps of B-cell terminal differentiation necessary for efficient antibody responses. Defects in cytidine deaminase are the cause of hyper-IgM immunodeficiency syndrome type 2 (HIGM2) also known as hyper-IgM syndrome 2. HIGM2 is an autosomal recessive disorder 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.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H

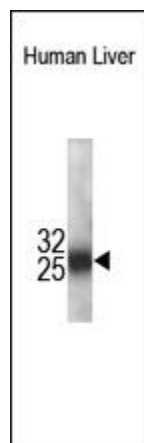
Format: Each vial contains 0.1 mL of crude serum with 0.09% sodium azide.

Alternate Names: Cytidine aminohydrolase; Activation-induced cytidine deaminase; AICDA; AID

Accession No.: Q9GZX7

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human cytidine aminohydrolase.

Application Notes: E: 1:10,000-1:50,000; WB: 1:100-1:1,000



The Cytidine Aminohydrolase Antibody is used in Western blot to detect cytidine aminohydrolase in human fetal liver lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.