


Product datasheet

Anti-AICDA antibody ab106273

Overview

Product name	Anti-AICDA antibody
Description	Rabbit polyclonal to AICDA
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit 
Immunogen	Synthetic peptide derived from the N terminal region of Human AICDA.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab106273** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		1/500 - 1/2000. Predicted molecular weight: 24 kDa.

Target

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.
Tissue specificity	Strongly expressed in lymph nodes and tonsils.
Involvement in disease	Defects in AICDA are the cause of hyper-IgM immunodeficiency syndrome type 2 (HIGM2) [MIM:605258]; 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.
Sequence similarities	Belongs to the cytidine and deoxycytidylate deaminase family.

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