Datasheet for ABIN964913

anti-PRDM1 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	PRDM1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	PRDM1 BLIMP1 Antibody
Immunogen:	Immunogen: Anti-Blimp1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the C-terminus of human, mouse, and rat PRDM1/BLIMP1. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	This affinity purified antibody is directed against human BLIMP1 protein.
Characteristics:	Synonyms: rabbit anti-Blimp-1 antibody, rabbit anti-PRDM-1 antibody, anti-PRDM1/BLIMP1 antibody, PR domain zinc finger protein 1, PR domain-containing protein 1, Beta-interferon gene positive regulatory domain I-binding factor, BLIMP-1, Beta-lymphocyte-induced maturation protein 1, positive regulatory domain I-binding factor 1, PRDI-BF1, PRDI-binding factor 1, BLIMP1, BLIMP 1, PRDM1

Product Details

Purification:	The product was affinity purified from monospecific antiserum by immunoaffinity chromatography.
Sterility:	Sterile filtered

Target Details

Target:	PRDM1
Alternative Name:	PRDM1 (PRDM1 Products)
Background:	Background: Anti-Blimp1 is ideal for Immunology, Epigenetic and Nuclear Signaling research. PRDM1/Blimp1 (PR domain zinc finger protein 1, PR domain-containing protein 1, Beta-interferon gene positive regulatory domain I-binding factor, BLIMP-1, Positive regulatory domain I-binding factor 1, PRDI-binding factor 1, or PRDI-BF1, or Beta-lymphocyte-induced maturation protein 1) is one of several transcription factors which drives the maturation of B-lymphocytes into Ig secreting cells. In the nucleus, PRDM1/BLIMP1 functions as a transcriptional repressor that binds specifically to the PRDI element in the promoter of the beta-interferon gene. Transcription of the PRDM1 gene is increased upon virus induction. PRDM1/Blimp1 also interacts with PRMT5. Two alternatively spliced transcript variants that encode different isoforms have been reported.
Gene ID:	639, 25008939
UniProt:	Q60636
Pathways:	Regulation of Muscle Cell Differentiation

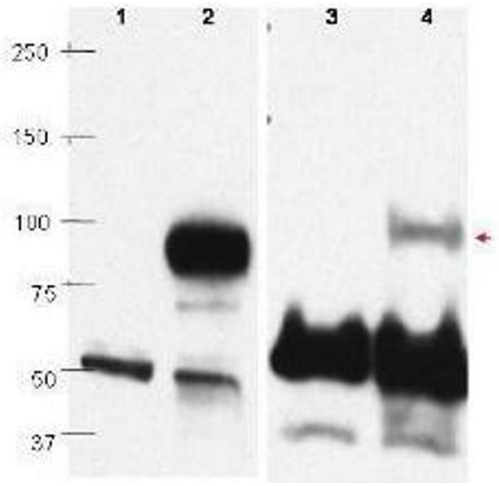
Application Details

Application Notes:	Immunohistochemistry Dilution: 5 µg/mL Application Note: This affinity purified antibody has been tested for use in ELISA, Immunohistochemistry, and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~88 kDa in size corresponding to BLIMP1 by western blotting in the appropriate cell lysate or extract. Western Blot Dilution: 1:1,000 Immunoprecipitation Dilution: 5-10 µg/mL ELISA Dilution: 1:20,000 - 1:40,000 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.15 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) 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:	4 °C,-20 °C
Storage Comment:	Store Blimp1 antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blots using affinity purified anti-PRDM1/BLIMP1 antibody show detection of overexpressed PRDM1/BLIMP1 in whole transfected Raji cell lysate (lane 2) at ~88kDa. Lane 1 shows mock transfection in whole Raji cell lysate. Detection of endogenous PRDM1/BLIMP1 (lane 4) is illustrated in human plasma cell nuclear extract, but not in Raji whole cell nuclear extract (lane 3). The identity of the lower dark band at ~50-60kDa is unknown. Primary antibody was used at a 1:1000 dilution in 5% PBS-Tween. Personal communication, Hyesuk Yoon and Jerry Boss, Emory University, Atlanta, GA