

Datasheet for ABIN499475

anti-PRDM1 antibody (C-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	0.1 mg
Target:	PRDM1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRDM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Blimp-1 antibody was raised against a 14 amino acid peptide from near the carboxy terminus of human Blimp-1.
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	PRDM1
Alternative Name:	PRDM1 / BLIMP1 (PRDM1 Products)
Background:	Blimp-1 was initially identified as a zinc finger-containing protein that drives the maturation of B lymphocytes into immunoglobulin-secreting cells. Together with X-box-binding protein 1 (XBP1), Blimp-1 is induced upon terminal differentiation of plasma cells. The transcriptional

Target Details

repressor activity of Blimp-1 has also been found to regulate T cell homeostasis and function, possibly by suppressing the expression of the cytokines IL-2 and interferon-gamma during T cell development. More recent experiments have suggested that Blimp-1 also plays a major role in the formation of primordial germ cells (PGC) in developing mammalian embryos. In these experiments, Blimp-1-deficient mutant mouse embryos form a cluster of PGC-like cells which fail to show the expected migration, proliferation, and repression of homeobox genes that normally accompany specification of primordial germ cells. Synonyms: BLIMP-1, Beta-interferon gene positive regulatory domain I-binding factor, PR domain zinc finger protein 1, PR domain-containing protein 1, PRDI-BF1, PRDI-binding factor 1, Positive regulatory domain I-binding factor 1

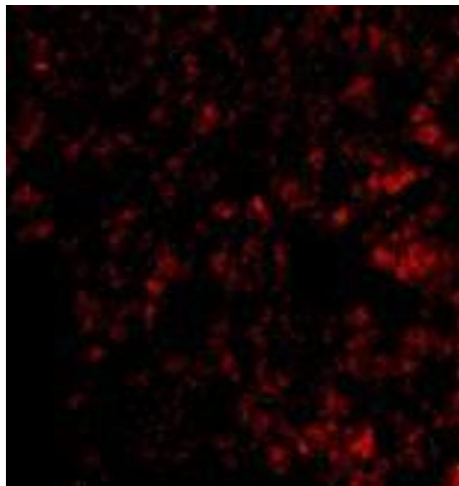
Gene ID:	639
NCBI Accession:	NP_001189
UniProt:	O75626
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	ELISA. Western Blot: Blimp-1 antibody can be used for detection of Blimp-1 at 0.5 - 1 µg/mL. Immunofluorescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

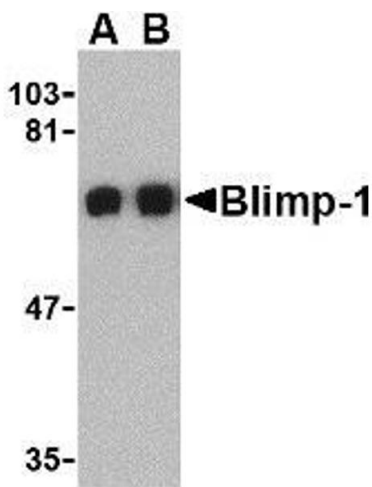
Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



Immunofluorescence

Image 1. Immunofluorescence of Blimp-1 in mouse lung tissue with AP30154PU-N Blimp-1 antibody at 20 µg/ml.



Western Blotting

Image 2. Western blot analysis of Blimp-1 in A549 cell lysate with AP30154PU-N Blimp-1 antibody at (A) 0.5 and (B) 1µg/ml.