

Datasheet for ABIN499477

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

Overview

Quantity:	0.1 mg
Target:	PRDM1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRDM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Blimp-1 antibody was raised against a 17 amino acid peptide from near the amino terminus of human Blimp-1.
Isotype:	IgG
Specificity:	This antibody reacts to Blimp-1.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	PRDM1
Alternative Name:	PRDM1 / BLIMP1 (PRDM1 Products)

Target Details

Background: Blimp-1 was initially identified as a zinc finger-containing protein that drives the maturation of B lymphocytes into immunoglobulin-secreting cells (1). Together with X-box-binding protein 1 (XBP1), Blimp-1 is induced upon terminal differentiation of plasma cells (2,3). The transcriptional 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 (4). 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 (5). Blimp-1 exists as at least two different isoforms. 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 by Western blot at 0.5- 1 µg/mL. Immunohistochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

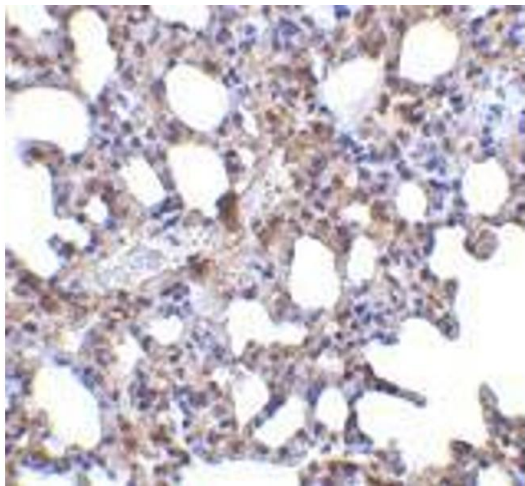
Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

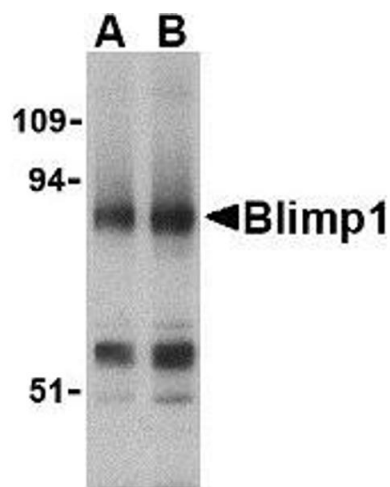
Storage: 4 °C

Storage Comment: Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of Blimp-1 in mouse lung tissue with Blimp-1 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Blimp-1 in mouse lung tissue lysate with AP30155PU-N Blimp-1 antibody at (A) 0.5 and (B) 1 µg/ml.