Blimp-1 Antibody

Catalog No: #24475

Orders: order@signalwayantibody.com
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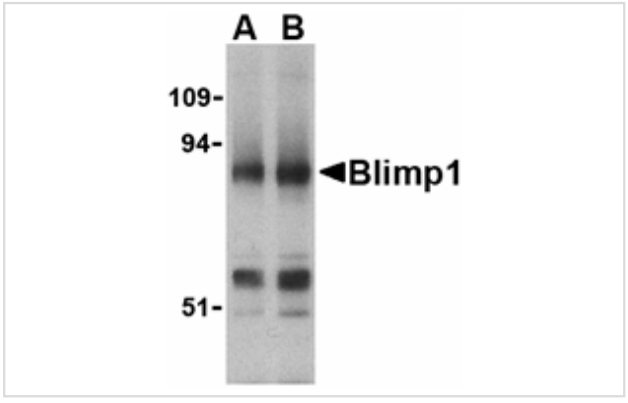
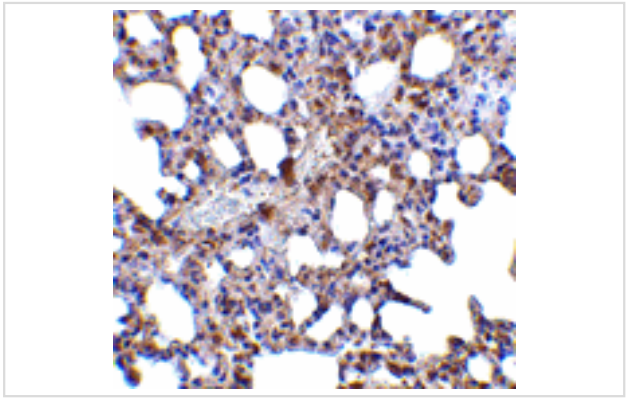
Description

Product Name	Blimp-1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the amino terminus of human Blimp-1.
Target Name	Blimp-1
Other Names	B-lymphocyte-induced maturation protein 1, PR domain-containing protein 1, PRDI-binding factor 1, PRDI-BF1
Accession No.	Swiss-Prot:O75626Gene ID:639
Uniprot	O75626
GeneID	639;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of Blimp-1 in mouse lung tissue lysate with Blimp-1 antibody at (A) 0.5 and (B) 1ug/mL.



Immunohistochemistry of Blimp-1 in mouse lung tissue with Blimp-1 antibody at 5 ug/mL.

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 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. Blimp-1 exists as at least two different isoforms.

Note: This product is for in vitro research use only