

ARG58294 anti-PRDM1 / Blimp 1 antibody

Package: 50 µg
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes PRDM1 / Blimp 1 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | IHC-P, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | PRDM1 / Blimp 1 |
| Species | Human |
| Immunogen | E. coli-derived Human PRDM1/Blimp1 recombinant protein (Position: M1-Q230). |
| Conjugation | Un-conjugated |
| Alternate Names | Beta-interferon gene positive regulatory domain I-binding factor; PR domain zinc finger protein 1; BLIMP-1; BLIMP1; PRDI-binding factor 1; PR domain-containing protein 1; EC 2.1.1.-; PRDI-BF1; Positive regulatory domain I-binding factor 1 |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-----------------|
| | IHC-P | 0.5 - 1 µg/ml |
| | WB | 0.1 - 0.5 µg/ml |
| Application Note | IHC-P: Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

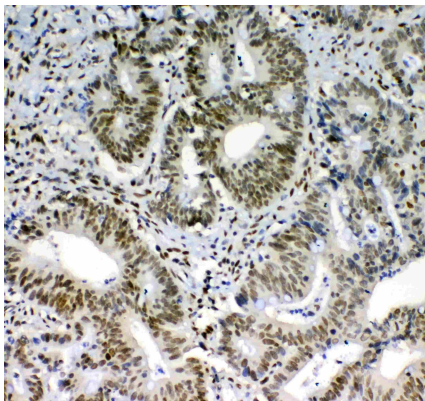
Properties

| | |
|---------------------|--|
| Form | Liquid |
| Buffer | 0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 4% Trehalose |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|-----------------------|--|
| Gene Symbol | PRDM1 |
| Gene Full Name | PR domain containing 1, with ZNF domain |
| Background | This gene encodes a protein that acts as a repressor of beta-interferon gene expression. The protein binds specifically to the PRDI (positive regulatory domain I element) of the beta-IFN gene promoter. Transcription of this gene increases upon virus induction. Two alternatively spliced transcript variants that encode different isoforms have been reported. [provided by RefSeq, Jul 2008] |
| Function | Transcriptional repressor that binds specifically to the PRDI element in the promoter of the beta-interferon gene. Drives the maturation of B-lymphocytes into Ig secreting cells. [UniProt] |
| Calculated Mw | 92 kDa |
| PTM | Sumoylation at Lys-816 by PIAS1 augments transcriptional repressor activity, and is critical for plasma cell differentiation. Ubiquitinated by the SCF(FBXO11) complex, leading to its degradation by the proteasome. [UniProt] |
| Cellular Localization | Nucleus. [UniProt] |

Images



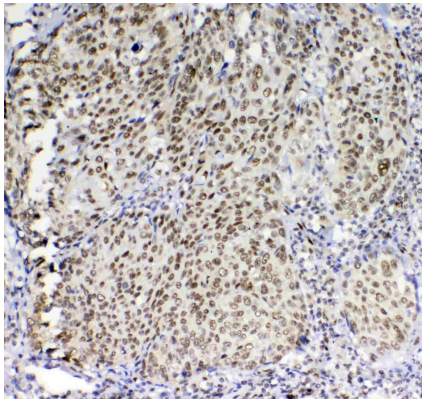
ARG58294 anti-PRDM1 / Blimp 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58294 anti-PRDM1 / Blimp 1 antibody at 1 µg/ml dilution, overnight at 4°C.



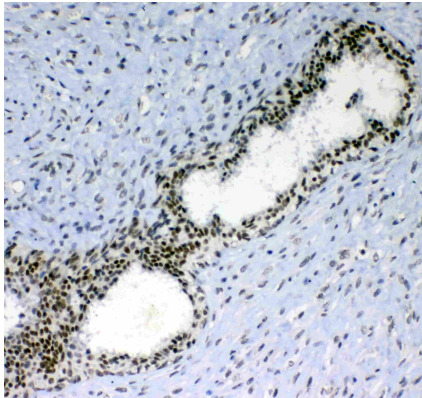
ARG58294 anti-PRDM1 / Blimp 1 antibody WB image

Western blot: 50 µg of Rat thymus, Rat spleen, Rat stomach, Rat lung, Mouse thymus, Mouse spleen, Mouse stomach, Mouse lung and Mouse HEPA1-6 whole cell lysates stained with ARG58294 anti-PRDM1 / Blimp 1 antibody at 0.5 µg/ml, overnight at 4°C, under reducing conditions.



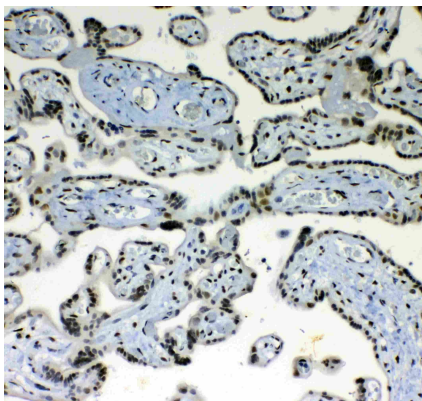
ARG58294 anti-PRDM1 / Blimp 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58294 anti-PRDM1 / Blimp 1 antibody at 1 µg/ml dilution, overnight at 4°C.



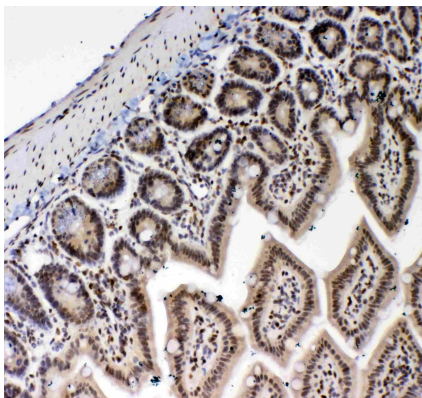
ARG58294 anti-PRDM1 / Blimp 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58294 anti-PRDM1 / Blimp 1 antibody at 1 µg/ml dilution, overnight at 4°C.



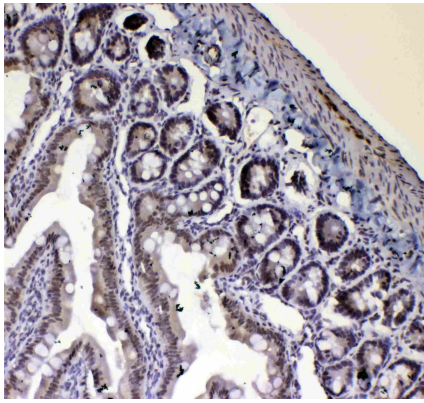
ARG58294 anti-PRDM1 / Blimp 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58294 anti-PRDM1 / Blimp 1 antibody at 1 µg/ml dilution, overnight at 4°C.



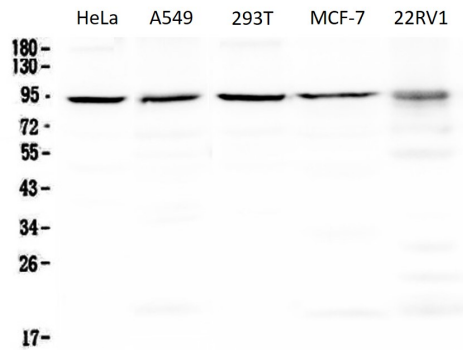
ARG58294 anti-PRDM1 / Blimp 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse small intestine tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58294 anti-PRDM1 / Blimp 1 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG58294 anti-PRDM1 / Blimp 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat small intestine tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58294 anti-PRDM1 / Blimp 1 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG58294 anti-PRDM1 / Blimp 1 antibody WB image

Western blot: 50 µg of HeLa whole cell lysates, A549 whole cell lysates, 293T whole cell lysates, MCF-7 whole cell lysates and 22RV1 whole cell lysates stained with ARG58294 anti-PRDM1 / Blimp 1 antibody at 0.5 µg/ml, overnight at 4°C, under reducing conditions.