

Rabbit anti-Mouse, Rat Prdm9 Polyclonal Antibody | anti-Prdm9 antibody

Prdm9 Polyclonal Antibody

CATALOG # AAA179268	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot
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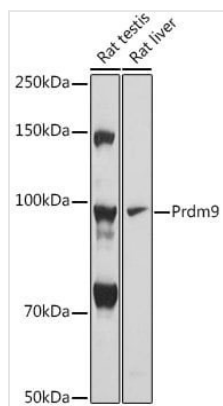
PRODUCT SYNONYMS

Prdm9; Polyclonal Antibody; Prdm9 Polyclonal Antibody; Rc; re; Dsbc; Rcr1; Dsbc1; Meise; repro7; Meissetz; PRDM9-B; BC012016; G1-419-29; anti-Prdm9 antibody

PRODUCT SPECIFICATIONS

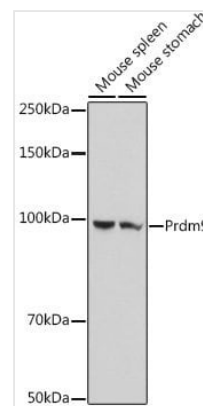
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-Prdm9 antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein of mouse Prdm9
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines using Prdm9 Polyclonal Antibody at 1:1000 dilution.



WB (Western Blot)

Western blot analysis of extracts of various cell lines using Prdm9 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-Prdm9 antibody	Histone methyltransferase that sequentially mono-, di-, and tri-methylates both 'Lys-4' (H3K4 and 'Lys-36' (H3K36 of histone H3 to produce respectively trimethylated 'Lys-4' (H3K4me3 and trimethylated 'Lys-36' (H3K36me3 histone H3 and plays a key role in meiotic prophase by determining hotspot localization thereby promoting meiotic recombination. Also can methylate all four core histones with H3 being the best substrate and the most highly modified. Is also able, on one hand, to mono and di-methylate H4K20 and on other hand to trimethylate H3K9 with the di-methylated H3K9 as the best substrate. During meiotic prophase, binds specific DNA sequences through its zinc finger domains thereby determining hotspot localization where it promotes local H3K4me3 and H3K36me3 enrichment on the same nucleosomes through its histone methyltransferase activity. Thereby promotes double-stranded breaks (DSB formation, at this subset of PRDM9-binding sites, that initiates meiotic recombination for the proper meiotic progression.
Product Categories/Family for anti-Prdm9 antibody	Antibodies; Primary Antibodies; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	223635747
NCBI GeneID	213389
UniProt Accession #	Q96EQ9; Q0D2N4; B8JJZ8
Molecular Weight	32,241 Da
NCBI Official Full Name	Histone-lysine N-methyltransferase PRDM9
NCBI Official Synonym Full Names	PR domain containing 9
NCBI Official Symbol	Prdm9
NCBI Official Synonym Symbols	Rcr1; Dsbc1; repro7; Meisetz; BC012016; G1-419-29
NCBI Protein Information	histone-lysine N-methyltransferase PRDM9; VPR domain containing 9; hybrid sterility protein 1; PR-domain zinc finger protein; PR domain-containing protein 9; PR domain zinc finger protein 9; meiosis-induced factor containing a PR/SET domain and zinc-finge
UniProt Protein Name	Histone-lysine N-methyltransferase PRDM9
UniProt Gene Name	Prdm9
UniProt Synonym Gene Names	Hst1; Meisetz
UniProt Entry Name	PRDM9_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prdm9-antibody-western-blot-elisa/179268>