

# Prdm9 Rabbit pAb

货号: **AYP22857**

## 产品信息

反应	Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB ChIP
推荐浓度	<b>WB:</b> 1:500 - 1:1000 <b>ChIP:</b> 1:50 - 1:200
理论分子量	97kDa
实测分子量	100KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	Mouse spleen,Mouse stomach,Rat testis,Rat liver
细胞定位	nucleoplasm,nucleus
纯化	Affinity purification

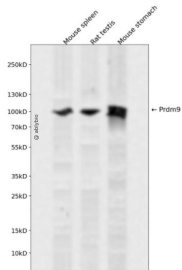
## 抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 87-370 of mouse Prdm9 (NP_659058.3).
序列	DSESDSEEWTPKQQVSPWPVFRVKHSKQQKESRMPFSGESNVKEGSGIENLLNTSGSEHVQKPVSSLEEGNTSGQH SGKKLKRKKNVEVKMYRLRERKGLAYEEVSEPQDDDYLYCEKCQNFIDSCPNHGPPLFVKDSMVDRGHPNHSVLSLPP GLRISPSGIPEAGLGVWNEASDLPVGLHFGPYEGQITEDEEAANSYSLWITKGRNCYEYVDGQDESQANWMRYVNCAR DDEEQNLVAFQYHRKIFYRTCRVIRPGCELLVWYGDEYGQELGIKWG

## 靶点信息

研究背景	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.
基因ID	213389
基因名	
Swiss	Q96EQ9
别名	Rc; re; Dsbc; Rcr1; Dsbc1; Meise; repro7; Meisetz; PRDM9-B; BC012016; G1-419-29

## 产品验证



Western blot analysis of Prdm9 expressed in Mouse spleen, Rat testis, Mouse stomach using Prdm9 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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