

## CAB20340

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### Product Information

<b>Product SKU:</b>	CAB20340	<b>Gene ID:</b>	56979	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human,Mouse,Rat

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### Additional Information

<b>Observed MW:</b>	103kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	103kDa	<b>Isotype:</b>	IgG

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### Immunogen Information

<b>Background:</b>	The protein encoded by this gene is a zinc finger protein with histone methyltransferase activity that catalyzes histone H3 lysine 4 trimethylation (H3K4me3) during meiotic prophase. This protein contains multiple domains, including a Kruppel-associated box (KRAB) domain, an SSX repression domain (SSXRD), a PRD1-BF1 and RIZ homologous region, a subclass of SET (PR/SET) domain, and a tandem array of C2H2 zinc fingers. The zinc finger array recognizes a short sequence motif, leading to local H3K4me3, and meiotic recombination hotspot activity. The observed allelic variation alters the DNA-binding sequence specificity of the protein, resulting in distinct meiotic recombination hotspots amongst individuals and populations. Multiple alternate alleles of this gene have been described.
<b>Recommended Dilution:</b>	WB,1:500 - 1:1000
<b>Synonyms:</b>	PFM6; KMT8B; MSBP3; ZNF899; MEISETZ; PRDM9
<b>Purification Method:</b>	Affinity purification
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 413-525 of human PRDM9 (NP_064612.2).
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

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