

CAB6738

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## Product Information

<b>Product SKU:</b>	CAB6738	<b>Gene ID:</b>	6419	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human

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## Additional Information

<b>Observed MW:</b>	Refer to Figures	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	78kDa	<b>Isotype:</b>	IgG

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## Immunogen Information

**Background:** This gene encodes a fusion protein that contains an N-terminal histone-lysine N-methyltransferase domain and a C-terminal mariner transposase domain. The encoded protein binds DNA and functions in DNA repair activities including non-homologous end joining and double strand break repair. The SET domain portion of this protein specifically methylates histone H3 lysines 4 and 36. This gene exists as a fusion gene only in anthropoid primates, other organisms lack mariner transposase domain. Alternate splicing results in multiple transcript variants.

**Recommended Dilution:** IHC-P, 1:50 - 1:200

**Synonyms:** Mar1; METNASE; SETMAR

**Purification Method:** Affinity purification

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 20-300 of human SETMAR (NP\_006506.3).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.