

## SETMAR

**Reactivity:** Human

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50

**Calculated MW:** 76kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human SETMAR

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

Mar1; HsMar1; METNASE;

**Catalog #:** A6738

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 6419

**Isotype:** IgG

**Swiss Prot:** Q53H47

**Purity:** Affinity purification

For research use only.

**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.

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