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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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