SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Mouse Anti-SETDB1 antibody

**Catalog Number: SLM-60316M**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Mouse |
| **Isotype:** | IgG1/Kappa |
| **Clonality:** | Monoclonal |
| **Clone No.:** | H4A4 |
| **Target:** | SETDB1 |
| **Purification:** | Affinity purified by Protein G |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human(predicted:Mouse,Rat,Monkey) |
| **Subcellular Location:** | The nucleus The cell membrane |
| **Background:** | Histone-lysine N-methyltransferase SETDB1 is an enzyme encoded by the SETDB1 gene. SETDB1 is also known as KMT1E or H3K9 methyltransferase ESET. The SET domain is a highly conserved motif of approximately 150 amino acids associated with the regulation of chromatin structure. It was initially identified as part of a larger conserved region present in the Drosophila trithorax protein, and subsequently identified in Drosophila Su(var)3-9 and 'enhancer of zeste' proteins, from which the acronym SET is derived. Studies have shown that the SET domain may be characteristic of proteins that regulate transcriptional activity or repress chromatin states through chromatin remodeling activities. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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## [ VALIDATION IMAGES ]

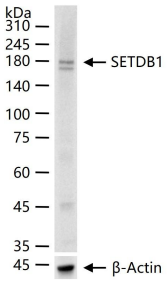



Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with SETDB1 monoclonal antibody, unconjugated (SLM-60316M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min

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