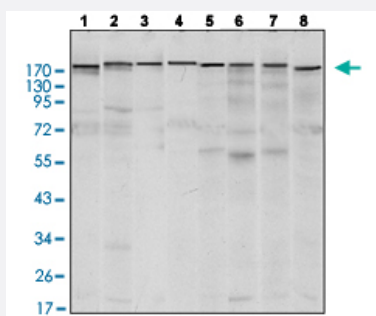


# SETDB1 monoclonal antibody, clone 5H6A12

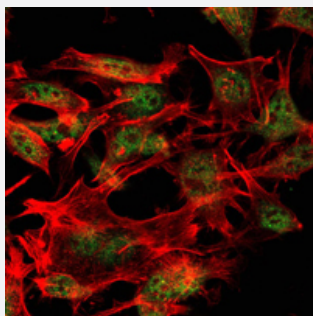
Catalog # MAB15267      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of Line 1: MCF-7, Line 2: T47D, Line 3: HEK293, Line 4: JURKAT, Line 5: NIH/3T3, Line 6: F9, Line 7: RAW246.7 and Line8: Cos7 cell lysate.



### Immunofluorescence

Immunofluorescence staining of LOVO cells using SETDB1 monoclonal antibody, clone 5H6A12 (Green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant human SETDB1.
<b>Immunogen</b>	Recombinant protein corresponding to human SETDB1.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human, Monkey, Mouse
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification

<b>Recommend Usage</b>	ELISA (1:10000) Immunofluorescence (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In ascitic fluid (0.03% sodium azide).
<b>Storage Instruction</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of Line 1: MCF-7, Line 2: T47D, Line 3: HEK293, Line 4: JURKAT, Line 5: NIH/3T3, Line 6: F9, Line 7: RAW246.7 and Line8: Cos7 cell lysate.

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Immunofluorescence staining of LOVO cells using SETDB1 monoclonal antibody, clone 5H6A12 (Green). Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — SETDB1

<b>Entrez GeneID</b>	<a href="#">9869</a>
<b>Protein Accession#</b>	<a href="#">Q15047</a>
<b>Gene Name</b>	SETDB1
<b>Gene Alias</b>	ESET, KG1T, KIAA0067, KMT1E
<b>Gene Description</b>	SET domain, bifurcated 1
<b>Omim ID</b>	<a href="#">604396</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	This gene encodes a histone methyltransferase. The encoded enzyme catalyzes the reaction of S-adenosyl-L-methionine and histone L-lysine to produce S-adenosyl-L-homocysteine and histone N(6)-methyl-L-lysine. The encoded protein likely functions in transcriptional repression. Alternatively spliced transcript variants have been described

**Other Designations**ERG-associated protein with a SET domain, ESET

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**Pathway**

- [Lysine degradation](#)

**Disease**

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)