

## Recombinant SETD1A Monoclonal Antibody

catalog number: **AN301557L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human;Rat;Mouse
<b>Immunogen</b>	Recombinant human SETD1A fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, κ
<b>Clone</b>	A256
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

<b>IHC</b>	1:50-1:100
<b>IF</b>	1:100-1:500
<b>FCM</b>	1:50-1:100

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

hSET1 is a component of the histone methyltransferase (HMT) complex, which is a member of the COMPASS family, has H3K4 methyltransferase activity, and is closely related to development and tumors. hSET1 can produce mono-, di- and Trimethylation at lys4 (K4) on histone H3. This activity is blocked by the pre-methylation of the transcription repressor K9, indicating that the SET1/ASH2 complex can cause crosstalk between K9 methylation and K4 methylation. SET1 protein may play a role in synaptic function and neuron development. In addition, hSET1 protein can affect the proliferation and apoptosis of leukemia cells, and promote differentiation into neutrophils, providing new ideas for the treatment of leukemia and other cancers.

### For Research Use Only