

Product Datasheet

SETD7 Antibody

Catalog No: CY5069

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IP



www.abways.com

Information

UniProt ID: Q8WTS6

All Names: Histone H3-K4 methyltransferase SETD7; Lysine N-methyltransferase 7; SET domain-containing protein 7; SET7;SET9;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 41 kDa

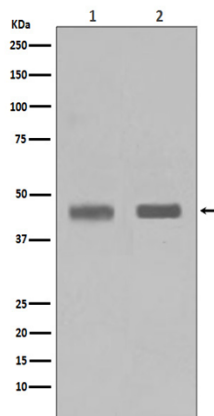
Application

WB: 1:500~1:2000

IP: 1:50

Background

Histone methyltransferase that specifically monomethylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. Plays a central role in the transcriptional activation of genes such as collagenase or insulin. Recruited by IPF1/PDX-1 to the insulin promoter, leading to activate transcription. Has also methyltransferase activity toward non-histone proteins such as p53/TP53, TAF10, and possibly TAF7 by recognizing and binding the [KR]-[STA]-K in substrate proteins. Monomethylates 'Lys-189' of TAF10, leading to increase the affinity of TAF10 for RNA polymerase II. Monomethylates 'Lys-372' of p53/TP53, stabilizing p53/TP53 and increasing p53/TP53-mediated transcriptional activation.



Western blot analysis of SETD7 in (1)Jurkat cell lysate;(2)HeLa cell lysate.

For Research Use Only. Not For Use In Diagnostic Procedures.

www.abways.com