

Recombinant

DGRmAb®

SET7 (DGR17020) Rabbit mAb

db14745

Package : 10µL 20µL 50µL 100µL

Product Name : SET7 (DGR17020) Rabbit mAb**Cat.No.:** db14745**Synonyms :** KMT7; SET7; SET9; SET7/9**Application :** WB, IP**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**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.

Immunogen

A synthetic peptide of human SET7

Gene ID

80854

Swiss Prot

Q8WTS6

Synonyms

KMT7; SET7; SET9; SET7/9

Reactivity

Human,Mouse,Rat

Application

WB, IP

Recommended dilution

WB: 1:1000-1:5000

IP: 1:100

Calculated MW

41 kDa

Observed MW

41 kDa

Host species

Rabbit

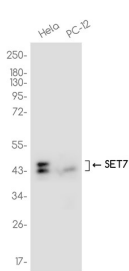
Clonality

Monoclonal

Clonality No.

DGR17020

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa, PC-12 cells using db14745 at 1:1000.