

**SMYD5 polyclonal antibody**

Catalog: BS7955

Host: Rabbit

Reactivity: Human, Mouse

**BackGround:**

Histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4 to form trimethylated histone H4 lysine 20 (H4K20me3 which represents a specific tag for epigenetic transcriptional repression (By similarity. In association with the NCoR corepressor complex, is involved in the repression of toll-like receptor 4 (TLR4-target inflammatory genes in macrophages by catalyzing the formation of H4K20me3 at the gene promoters (By similarity. Plays an important role in embryonic stem (ES cell self-renewal and differentiation (By similarity. Promotes ES cell maintenance by silencing differentiation genes through deposition of H4K20me3 marks (By similarity. Maintains genome stability of ES cells during differentiation through regulation of heterochromatin formation and repression of endogenous repetitive DNA elements by depositing H4K20me3 marks.

**Product:**

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

48kDa

**Swiss-Prot:**

Q6GMV2

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

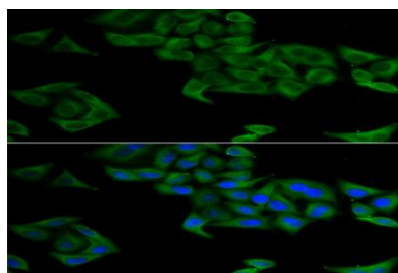
WB,1:500 - 1:2000|IHC,1:50 - 1:200| IF/ICC,1:50 - 1:200

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Category:**

Polyclonal Antibodies

**DATA:**

Immunofluorescence analysis of A549 cells using SMYD5 antibody .

Blue: DAPI for nuclear staining.

**Note:**

For research use only, not for use in diagnostic procedure.

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