

**MBD5 polyclonal antibody**

Catalog: BS34236

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Methyl-CpG-binding domain protein 5: Non-catalytic component of the polycomb repressive deubiquitinase (PR-DUB) complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-120' (H2AK119ub1). Important for stability of PR-DUB components and stimulating its ubiquitinase activity. As part of the PR-DUB complex, associates with chromatin enriched in histone marks H3K4me1, H3K4me3, and H3K27Ac, but not in H3K27me3. The PR-DUB complex is an epigenetic regulator of gene expression, including genes involved in cell growth and survivability. MBD5 and MBD6 containing complexes associate with distinct chromatin regions enriched in genes involved in different pathways. Heterochromatin recruitment is not mediated by DNA methylation. The PR-DUB complex is an epigenetic regulator of gene expression, including genes involved in development, cell communication, signaling, cell proliferati...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~160 kDa

Swiss-Prot:

Q9P267

Purification&Purity:

The antibody was purified by immunogen affinity chro-

matography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of MBD5 protein

DATA:

Western blot analysis of CD66a expression in HepG2 (A), SKMES1 (B), Hela (C), A549 (D) whole cell lysates.

Immunohistochemical analysis of CD66a staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Flow cytometric analysis of HeLa cells using Anti-CD66a Antibody (green) and negative control (red).

Note:

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

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