

MBD3 (H250) polyclonal antibody

Catalog: BS2250

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

MeCP2 and MBD1 (PCM1) are first found to repress transcription by binding specifically to methylated DNA (Hendrich et al.). MBD2 and MBD4 (also known as MED1) were later found to colocalize with foci of heavily methylated satellite DNA and believed to mediate the biological functions of the methylation signal. Surprisingly, MBD3 does not bind methylated DNA both in vivo and in vitro. MBD1, MBD2, MBD3, and MBD4 are found to be expressed in somatic tissues, but the expression of MBD1 and MBD2 is reduced or absent in embryonic stem cells, which are known to be deficient in MeCP1 activity.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 33 kDa

Swiss-Prot:

O95983

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:

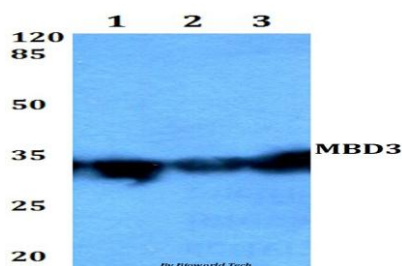
WB: 1:500~1:1000

Storage&Stability:

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

Specificity:

MBD3 (H250) pAb detects endogenous levels of MBD3 protein.

DATA:

Western blot (WB) analysis of MBD3 (H250) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Mouse testis tissue lysate

Lane3:Rat testis tissue lysate

Note:

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

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