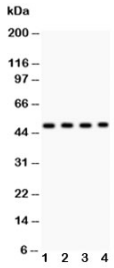
MBD2 Antibody / Methyl-CpG-binding domain protein 2 (R30151)

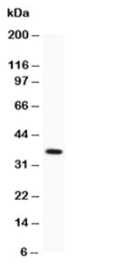
Catalog No.	Formulation	Size
R30151	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	8932
Applications	Western Blot : 0.5-1ug/ml
Limitations	This MBD2 antibody is available for research use only.



Western blot testing of MBD2 antibody and Lane 1: SGC; 2: HeLa; 3: Jurkat; 4: K562; Predicted/observed molecular weight: ~47kDa.



Western blot testing of MBD2 antibody and recombinant human protein 0.5ng

Description

Methyl-CpG-binding domain protein 2 is a protein that in humans is encoded by the MBD2 gene. It is mapped to 18q21.2. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG-binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. The protein encoded by this gene may function as a mediator of the biological consequences of the methylation signal. It is also reported that this protein functions as a demethylase to activate transcription, as DNA methylation causes gene silencing.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MBD2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 159-411) was used as the immunogen for this MBD2 antibody.

Storage

After reconstitution, the MBD2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.