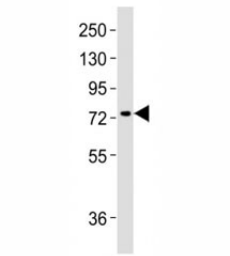
MeCP2 Antibody (F48101)

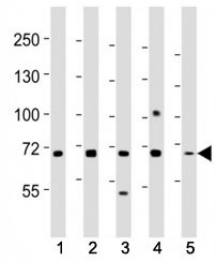
Catalog No.	Formulation	Size
F48101-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48101-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q95LG8
Applications	Western Blot : 1:1000
Limitations	This MeCP2 antibody is available for research use only.



Western blot testing of MeCP2 antibody at 1:2000 dilution + mouse brain lysate; Observed molecular weight: ~55 kDa and ~75 kDa.



Western blot testing of MeCP2 antibody at 1:2000 dilution. Lane 1: SH-SY5Y lysate; 2: Jurkat; 3: A431; 4: HepG2; 5: NIH3T3; Observed molecular weight: ~55 kDa and ~75 kDa.

Description

DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. 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. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. In contrast to other MBD family members, MECP2 is X-linked and subject to X inactivation. MECP2 is dispensible in stem cells, but is essential for embryonic development. MECP2 gene mutations are the cause of some cases of Rett syndrome, a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females. [RefSeq]

Application Notes

Titration of the MeCP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 400-428 from the macfa protein was used as the immunogen for this MeCP2 antibody.

Storage

Aliquot the MeCP2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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