

# Methyl CpG Binding Protein 2 Antibody

Lot Number: PK206784

Product Data Sheet

Tested Species Reactivity	Published Species Reactivity
Human (Hu)	Amphibian (Am)
Mouse (Ms)	Human (Hu)
Rat (Rt)	Non-human primate (Nhp)
	Rat (Rt)

Tested Applications	Dilution *
Western Blot (WB)	0.5 µg/ml
Immunofluorescence (IF)	1:100-1:200
Immunocytochemistry (ICC)	1:100-1:200
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:2000
Immunoprecipitation (IP)	Assay dependent
Published Applications	Dilution
Western Blot (WB)	See publications
Immunocytochemistry (ICC)	See publications
Immunohistochemistry (IHC)	See publications
Immunoprecipitation (IP)	See publications

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA1-887
Size:	50 µg
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit /
Immunogen:	Synthetic Peptide: M(1) V A G M L G L R E E K S E D(15) C

Form Information	
Form:	Liquid
Concentration:	1mg/ml
Purification:	Antigen affinity chromatography
Storage Buffer:	PBS with 1mg/ml BSA
Preservative:	0.05% sodium azide
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information	General Information
<p>PA1-887 detects methyl CpG binding protein 2 (MeCP2) from human, mouse and rat tissues and cells.</p> <p>PA1-887 has been successfully used in Western blot, IHC-P, immunofluorescence and immunoprecipitation procedures. By Western blot, this antibody detects an ~56 kDa protein representing MeCP2 from AtT20 cell extract.</p> <p>PA1-887 immunizing peptide corresponds to amino acid residues 1-15 from mouse MeCP2. This sequence is completely conserved in human MeCP2. PA1-887 immunizing peptide (Cat. # PEP-120) is available for use in neutralization and control experiments.</p> <p><i>For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.</i></p>	<p>DNA methyltransferases methylate the 5-position of cytosine in the context of CpG dinucleotides. DNA methylation is crucial for normal embryonic development, imprinting, and X-chromosome inactivation. Methyl CpG binding proteins (MeCPs) specifically recognize methylated regions of DNA and repress transcription both directly and by association with known corepressor proteins which include members of the Sin3 and histone deacetylase protein families.</p>

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