NEUROMICS

MeCP2 (Methyl-CpG Binding Protein 2) Data Sheet

Catalog Number:	RA22123	**Host:**	Rabbit
Product Type:	Polyclonal Affinity Purified Antibody	**Species Reactivity:**	Human, Rat, Mouse.
Immunogen Sequence:	Synthetic peptides from aa 471-486 of human MeCP2 HGNC name: MECP2.	**Format:**	Liquid, 100 ul aliquot Concentration: 1.0 mg/ml

Applications:
Immunofluorescence/Immunocytochemistry: 1:1000
Immunohistochemistry: 1:1000
Western Blot: 1:1,000-5,000

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Storage:
Antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Application Notes

Description/Data:

Image: Mouse brain section, which was cut at 45µm on a vibratome after perfusion with 4% paraformaldehyde and overnight fixation, was stained with polyclonal antibody: RA22123. MeCP2 was mainly associated with methylated DNA in nucleus of neuron cells (green). Blue shows DAPI staining of nuclear DNA.
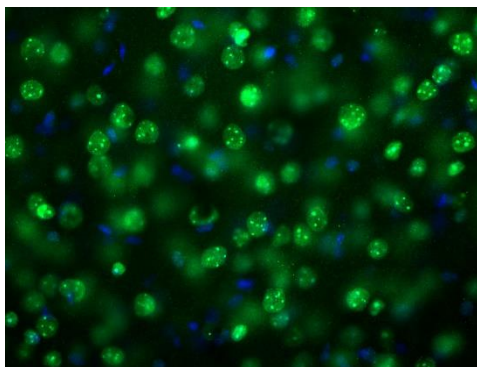

Image: Western blot analysis of MeCP2 expression in nuclear extracts from mouse brain with RA22123. This polyclonal antibody recognizes a strong and clear band at 75 kDa corresponding to total MeCP2 of mouse brain in SDS-PAGE, while molecular weight of MeCP2 protein is 54 kDa.

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