



Catalog Number: CH22138

Host: Chicken

Product Type: Chicken Polyclonal

Species Reactivity: Human, Rat, Mouse, Monkey

Immunogen Sequence: Full length recombinant human MeCP2 expressed in and purified from *E. coli*.

Format: Supplied as an aliquot of IgY preparation plus 5mM NaN3

Applications: Immunofluorescence: 1:1,000-2,000
Immunohistochemistry: 1:1,000-2,000
Western Blot: 1:10,000-20,000

Storage: Dilutions listed as a recommendation. Optimal dilution should be determined by investigator. Antibody can also be aliquotted and stored frozen at -20° 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

Methyl-CpG Binding Protein 2 (MeCP2) is widely expressed in tissues and particularly heavily in neurons. It is a nuclear protein which was found to bind methylated cytosines in CpG islands in DNA, but which may also bind hydroxymethyl cytosine residues. This antibody was made against full length recombinant human MeCP2 expressed in and purified from *E. coli* and can be used to identify neurons transiently expressing high levels of this nuclear protein.

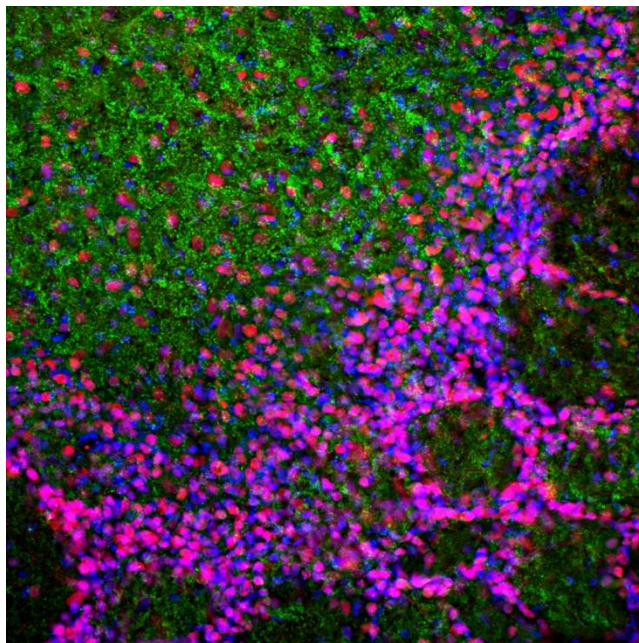


Image: Immunofluorescent analysis of rat olfactory bulb section stained with chicken pAb to MeCP2, CH22138, dilution 1:2,000 in red and costained with mouse mAb to α -synuclein, dilution 1:1,000, in green. The blue is DAPI staining of nuclear DNA.

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