

## 34-1063: Polyclonal Antibody to MECP2

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, monkey, Rat, Mouse
<b>Gene :</b>	MECP2
<b>Gene ID :</b>	4204
<b>Uniprot ID :</b>	P51608
<b>Format :</b>	Purified
<b>Isotype :</b>	Rabbit, IgG
<b>Immunogen Information :</b>	Synthetic peptides from aa 471-486 of human MeCP2

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

WB: 1:10,000-1:20,000 IF/ICC or IHC: 1:2,000

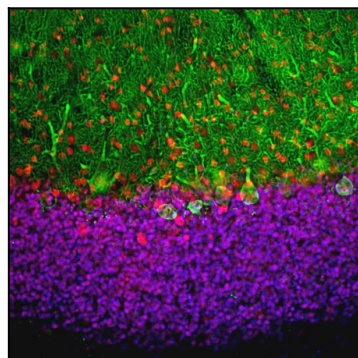


Figure-1: Immunofluorescent analysis of rat cerebellum section costained with rabbit pAb to MeCP2,(34-1063), dilution 1:5,000, in red, and chicken pAb to calbindin,(34-1020), dilution 1:2,000, in green. Blue is DAPI staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45µM, and free-floating sections were stained with above antibodies. The MeCP2 antibody selectively stains nuclei of neuronal cells to a variable degree. Calbindin, often used as Purkinje cell marker, is prominently expressed in dendrites and perikarya of these cells in the cerebellar molecular layer.

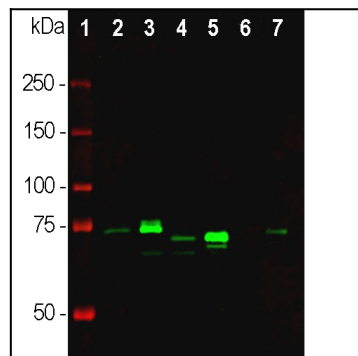


Figure-2: Western blot analysis of tissue and cell lysates using rabbit pAb to MeCP2,(34-1063), dilution 1:20,000 in green: [1] protein standard (red), [2] Rat whole brain, [3] nuclear fraction of rat brain, [4] mouse whole brain, [5] nuclear fraction of mouse brain, [6] HeLa cells, [7] C6 cells. Major band at about 70-75 kDa corresponds to MeCP2 protein, predominantly detected in the nuclear fraction of the lysates. The apparent molecular weights of MeCP2 based on SDS-PAGE mobility are variable between species and higher than the actual MeCP2 molecular weight which is ~54kDa