Product Datasheet

MeCP2 Antibody - BSA Free
NBP2-50060

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-50060

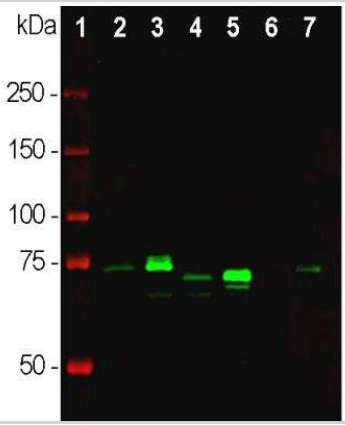
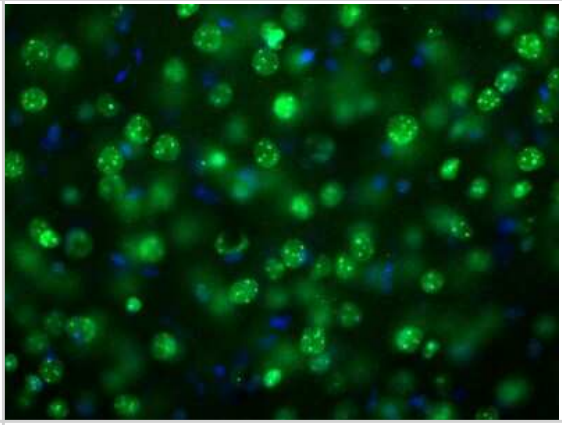
MeCP2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	5mM Sodium Azide
Purity	Affinity purified
Buffer	PBS, 50% glycerol
Target Molecular Weight	75 kDa

Product Description	
Description	Novus Biologicals Rabbit MeCP2 Antibody - BSA Free (NBP2-50060) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4204
Gene Symbol	MECP2
Species	Human, Mouse, Rat, Monkey
Immunogen	Full length recombinant human MeCP2

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot 1:10000-1:20000, Immunohistochemistry 1:2000, Immunocytochemistry/ Immunofluorescence 1:2000, Immunohistochemistry Free-Floating
Application Notes	In western blot, the apparent molecular weights of MeCP2 based on SDS-PAGE mobility are variable between species.

Images

Western Blot: MeCP2 Antibody [NBP2-50060] - Analysis of tissue and cell lysates using rabbit pAb to MeCP2, NBP2-50060, 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	
Immunocytochemistry/Immunofluorescence: MeCP2 Antibody [NBP2-50060] - Mouse brain section, which was cut at 45um on a vibratome after perfusion with 4% paraformaldehyde and overnight fixation, was stained with rabbit polyclonal antibody NBP2-50060. MeCP2 was mainly associated with methylated DNA in nucleus of neuron cells (green). Blue shows DAPI staining of nuclear DNA.	
Immunohistochemistry Free-Floating: MeCP2 Antibody [NBP2-50060] - Analysis of rat cerebellum section costained with rabbit pAb to MeCP2, NBP2-50060, dilution 1:5,000, in red, and chicken pAb to calbindin, 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 45 uM, and free-floating sections were stained with above antibodies. The MeCP2 antibody selectively stains nuclei of neuronal cells. Calbindin, often used as Purkinje cell marker, is prominently expressed in dendrites and perikarya of these cells in the cerebellar molecular layer.	
Western Blot: MeCP2 Antibody [NBP2-50060] - Analysis of MeCP2 expression in nuclear extracts from mouse brain with NBP2-50060. 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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Products Related to NBP2-50060

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
H00004204-Q01-10ug	Recombinant Human MeCP2 GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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