

# Product Datasheet

## MeCP2 Antibody - BSA Free NBP3-05542-100ul

Unit Size: 100 ul

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

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**NBP3-05542-100ul**

MeCP2 Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgY
<b>Purity</b>	IgY purified
<b>Buffer</b>	Supplied as a concentrated total IgY preparation from egg yolk, dialyzed against PBS with added preservative.

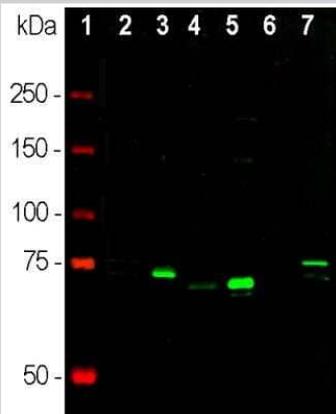
<b>Product Description</b>	
<b>Description</b>	<p>This antibody is supplied as a concentrated total IgY preparation derived from egg yolk. Production involves an initial organic extraction to remove lipids and lipoproteins, followed by salt fractionation of the aqueous phase to precipitate and enrich the IgY fraction. The material is then extensively dialyzed against PBS, and preservative is added during final formulation.</p> <p>Please note that the exact concentration of target-specific IgY cannot be determined, as the final preparation contains both antigen-specific IgY and non-immune IgY.</p>
<b>Host</b>	Chicken
<b>Gene ID</b>	4204
<b>Gene Symbol</b>	MECP2
<b>Species</b>	Human, Mouse, Rat, Monkey
<b>Immunogen</b>	Full length human recombinant MeCP2 expressed in and purified from E. coli.
<b>Notes</b>	Chicken products cannot be exported to Canada.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:10000-1:20000, Immunohistochemistry 1:1000-1:2000, Immunocytochemistry/ Immunofluorescence 1:1000-1:2000

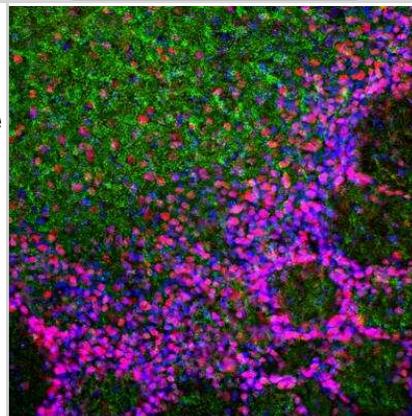


## Images

**Western Blot: MeCP2 Antibody [NBP3-05542]** - Western blot analysis of tissue and cell lysates using MeCP2 Antibody at a dilution of 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 lysate, [6] C6 cell lysate, and [7] SH-SY5Y cell lysate. The strong band at about 75kDa corresponds to the MeCP2 protein. The MeCP2 proteins of rat and human origin are known to migrate slightly differently on SDS-PAGE gels compared to that of mouse, and as a result bands appear at somewhat different apparent molecular weights.



**Immunocytochemistry/Immunofluorescence: MeCP2 Antibody [NBP3-05542]** - Immunofluorescent analysis of rat olfactory bulb section stained with chicken pAb to MeCP2 at a dilution of 1:2,000 in red and costained with mouse mAb to alpha-synuclein at a dilution of 1:1,000, in green. The blue is DAPI staining of nuclear DNA. Following transcardial perfusion of rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45uM, and free-floating sections were stained with the above antibodies. The MeCP2 antibody specifically labels the nuclei of neuronal cells while the alpha-synuclein antibody reveals alpha-synuclein protein concentrated in presynaptic regions.





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### **Products Related to NBP3-05542-100ul**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
BAF010	Goat anti-Chicken IgY Secondary Antibody [Biotin]
NB7276	Goat anti-Chicken IgM Heavy Chain Secondary Antibody
H00004204-Q01-10ug	Recombinant Human MeCP2 GST (N-Term) Protein

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### **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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