www.antibodiesinc.com
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PRODUCT DATASHEET

Anti-MeCP2 (Ser80) Antibody

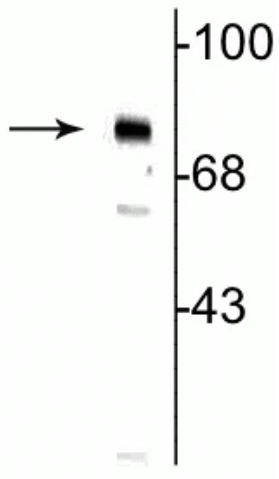
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:p1205-80) 25 µL (SKU:p1205-80t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	MECP2
Host Species	Rabbit
Format	Serum
Physical State	Liquid
Buffer	Serum
Production Notes	Serum
Applications	ELISA, IHC, WB
Dilution Ranges	WB: 1:1000 WB Brain: 1:1000 IHC: 1:100-1:250
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser80 of human MeCP2, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~75 kDa MeCP2 protein phosphorylated at Ser80 in Western blots of human, rat and mouse brain extracts. The antibody has also been used successfully for immunohistochemistry on mouse brain sections.
Molecular Weight	75 kDa
Quality Control	Western blots performed on each lot.

Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
Antibody Registry ID	AB_2492144
UniProt ID	P51608 UniProt Summary: Chromosomal protein that binds to methylated DNA. It can bind specifically to a single methyl-CpG pair. It is not influenced by sequences flanking the methyl-CpGs. Mediates transcriptional repression through interaction with histone deacetylase and the corepressor SIN3A. Binds both 5-methylcytosine (5mC) and 5-hydroxymethylcytosine (5hmC)-containing DNA, with a preference for 5-methylcytosine (5mC). {ECO:0000250|UniProtKB:Q9Z2D6}.
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser80
NCBI Gene ID	4204

Product Images



Western blot of neonatal rat brain showing specific immunolabeling of the ~75 kDa MeCP2 protein phosphorylated at Ser80.



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