

## Product datasheet for **TA389018**

### MECP2 Mouse Monoclonal Antibody [Clone ID: 5H12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5H12
Applications:	ICC, IHC, WB
Recommended Dilution:	<b>WB:</b> 1:2000 <b>WB Brain:</b> 1:2000 <b>ICC:</b> 1:1000-1:5000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant MeCP2
Specificity:	Specific for endogenous levels of the MeCP2 protein. Due to usually high charge, the protein runs at ~75 kDa in SDS-PAGE of mouse brain lysates.
Formulation:	PBS + 50% glycerol and 5 mM NaN <sub>3</sub>
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	75
Gene Name:	methyl-CpG binding protein 2
Database Link:	<a href="#">Entrez Gene 4204 Human P51608</a>



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<b>Background:</b>	MeCP2 (Methyl-CpG Binding Protein 2) is a chromosomal protein that binds to methylated DNA. It can bind specifically to a single methyl-CpG pair and is not influenced by sequences flanking the methyl-CpGs. MeCP2 has been shown to mediate transcriptional repression through interaction with histone deacetylase and the corepressor SIN3A (Nan et al., 1998). Defects in MeCP2 are the cause of Rett syndrome (RTT) (Amir et al., 1999). RTT is an X-linked dominant disease; it is a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females.
<b>Synonyms:</b>	AUTSX3; DKFZp686A24160; MRX16; MRX79; MRXS13; MRXSL; PPMX; RS; RTS; RTT
<b>Note:</b>	Protein G purified culture supernatant