

## Mouse MECP2 Monoclonal Antibody | anti-MECP2 antibody

MECP2 (Methyl-CpG-binding Protein 2, MeCp-2 Protein, MeCp2, DKFZp686A24160) (AP)

| CATALOG # | HOST  | REACTIVITY        | APPLICATIONS                              |
|-----------|-------|-------------------|-------------------------------------------|
| AAA24270  | Mouse | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

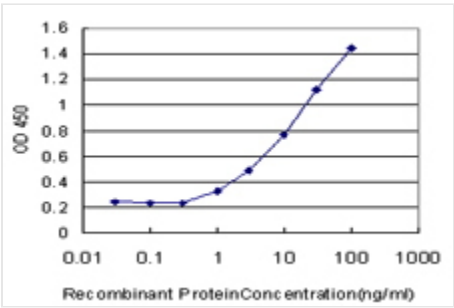
### PRODUCT SYNONYMS

MECP2; Monoclonal Antibody; MECP2 (Methyl-CpG-binding Protein 2; MeCp-2 Protein; MeCp2; DKFZp686A24160) (AP); anti-MECP2 antibody

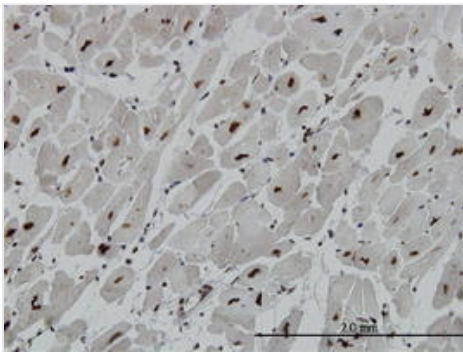
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                            |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                       |
| Isotype                                         | IgG2a,k                                                                                                                                                                                                                                                                                                          |
| Clone Number                                    | 4B6                                                                                                                                                                                                                                                                                                              |
| Specificity                                     | Recognizes human MECP2. Species Crossreactivity: mouse and rat.                                                                                                                                                                                                                                                  |
| Purity/Purification                             | Purified by Protein A Affinity Chromatography.                                                                                                                                                                                                                                                                   |
| Form/Format                                     | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).                                                                                                                                                                                                              |
| Applicable Applications for anti-MECP2 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                             |
| Application Notes                               | IHC-P: 3ug/ml<br>Applications are based on unconjugated antibody.                                                                                                                                                                                                                                                |
| Immunogen                                       | Partial recombinant corresponding to aa81-170 from human MECP2 (AAH11612) with GST tag. MW of the GST tag alone is 26kD.                                                                                                                                                                                         |
| Immunogen Sequence                              | PKQRRSIIRDGRGPMYDDPTLPEGWTRKLKQRKSGRSAGKYDVYLINPQGKAFRSKVELIAYFEKVGDTSLDPNDFDFTVTGRGSPSRREQ                                                                                                                                                                                                                      |
| Conjugate                                       | AP                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                         | Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |

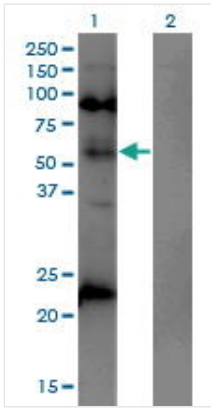
IMAGES



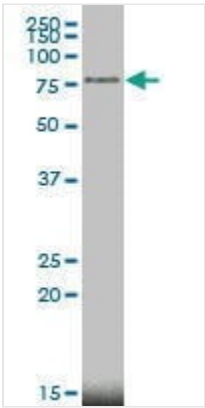
**Application Data**  
Detection limit for recombinant GST tagged MECP2 is ~1ng/ml as a capture antibody.



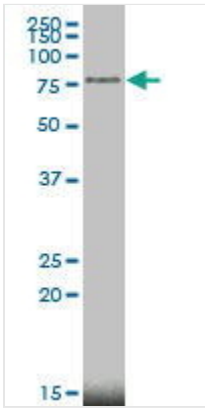
**IHC (Immunohistochemistry)**  
Immunoperoxidase of monoclonal antibody to MECP2 on formalin-fixed paraffin-embedded human heart. [antibody concentration 3ug/ml]



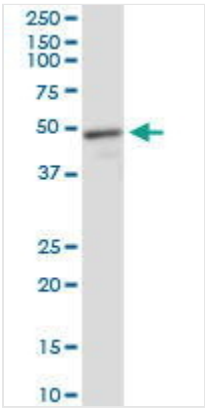
**WB (Western Blot)**  
Western Blot analysis of MECP2 expression in transfected 293T cell line by MECP2 monoclonal antibody. Lane 1: MECP2 transfected lysate (52.4kD). Lane 2: Non-transfected lysate.



**WB (Western Blot)**  
MECP2 monoclonal antibody. Western Blot analysis of MECP2 expression in NIH/3T3.



**WB (Western Blot)**  
MECP2 monoclonal antibody Western Blot analysis of MECP2 expression in MCF-7,



**WB (Western Blot)**  
MECP2 monoclonal antibody. Western Blot analysis of MECP2 expression in rat muscle.

ADDITIONAL INFORMATION

|                                                   |                              |
|---------------------------------------------------|------------------------------|
| Product Categories/Family for anti-MECP2 antibody | Antibodies; Binding Proteins |
|---------------------------------------------------|------------------------------|

NCBI AND UNIPROT INFORMATION

|             |          |
|-------------|----------|
| NCBI GI #   | 15079579 |
| NCBI GeneID | 4204     |

|                                         |                                                                 |
|-----------------------------------------|-----------------------------------------------------------------|
| <b>Molecular Weight</b>                 | 53,323 Da                                                       |
| <b>NCBI Official Full Name</b>          | Homo sapiens methyl CpG binding protein 2 (Rett syndrome), mRNA |
| <b>NCBI Official Synonym Full Names</b> | methyl CpG binding protein 2                                    |
| <b>NCBI Official Symbol</b>             | MECP2                                                           |
| <b>NCBI Official Synonym Symbols</b>    | RS; RTS; RTT; PPMX; MRX16; MRX79; MRXSL; AUTSX3; MRXS13         |
| <b>NCBI Protein Information</b>         | methyl-CpG-binding protein 2; meCp-2 protein                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mecp2-antibody-clone-4b6-immunohistochemistry-western-blot-elisa/24270>