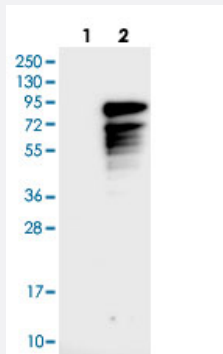


MECP2 polyclonal antibody

Catalog # PAB28416 Size 100 uL

Applications

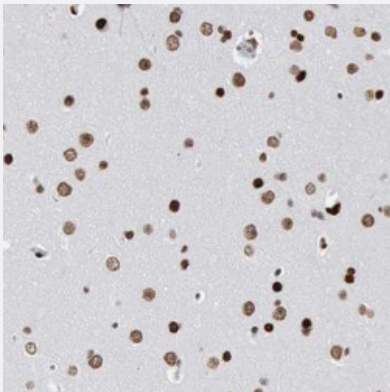


Western Blot (Transfected lysate)

Western blot analysis of HEK293T cell lysate using MECP2 polyclonal antibody (Cat # PAB28416).

Lane 1: Negative control (vector only)

Lane 2: Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa))



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human cerebral cortex with MECP2 polyclonal antibody (Cat # PAB28416) shows strong nuclear positivity in neuronal and glial cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant MECP2.
Immunogen	Recombinant protein corresponding to human MECP2.
Sequence	MVAGMLGLREEKSEDQDLQGLKDKPLKFKKVKKDKKEEKEGKHEPVQPSAHHSAEPAGAGKA ETSEGGSGSAPAVPEASAPKQRRSIIIRDRGPMYDDPTLPEGWTRKLKQRKSGRSAGKY
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:100-1:250) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4 °C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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Gene Info — MECP2

Entrez GeneID	4204
Protein Accession#	B5MCB4
Gene Name	MECP2
Gene Alias	AUTSX3, DKFZp686A24160, MRX16, MRX79, MRXS13, MRXSL, PPMX, RTS, RTT
Gene Description	methyl CpG binding protein 2 (Rett syndrome)
Omim ID	105830 300005 300055 300260 300496 300673 312750
Gene Ontology	Hyperlink

Gene Summary

DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. In contrast to other MBD family members, MECP2 is X-linked and subject to X inactivation. MECP2 is dispensable in stem cells, but is essential for embryonic development. MECP2 gene mutations are the cause of most cases of Rett syndrome, a progressive neurologic developmental disorder and one of the most common causes of mental retardation in females. [provided by RefSeq]

Other Designations

OTTHUMP00000026021|methyl CpG binding protein 2

Disease

- [Alzheimer disease](#)
- [Angelman syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Brain Diseases](#)
- [Cardiovascular Diseases](#)
- [Child Development Disorders](#)
- [Chromosome Aberrations](#)
- [Cognition Disorders](#)
- [Developmental Disabilities](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Epilepsy](#)
- [Fractures](#)
- [Fragile X syndrome](#)
- [Genetic Diseases](#)

- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Microcephaly](#)
- [Motor Skills](#)
- [Movement Disorders](#)
- [NARP](#)
- [Nervous System Diseases](#)
- [Obesity](#)
- [Pain](#)
- [Prader-Willi syndrome](#)
- [Psychomotor Performance](#)
- [Psychotic Disorders](#)
- [Rett syndrome](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Seizures](#)
- [Stereotypic Movement Disorder](#)