DNAxPAb | Hard-to-Find Antibody

MECP2 DNAxPab

Catalog # H00004204-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MECP2 DNA using DNAx™ Immune te chnology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MVAGMLGLREEKSEDQDLQGLKDKPLKFKKVKKDKKEEKEGKHEPVQPSAHHSAEPAEAGKA ETSEGSGSAPAVPEASASPKQRRSIIRDRGPMYDDPTLPEGWTRKLKQRKSGRSAGKYDVYLINP QGKAFRSKVELIAYFEKVGDTSLDPNDFDFTVTGRGSPSRREQKPPKKPKSPKAPGTGRGRGRP KGSGTTRPKAATSEGVQVKRVLEKSPGKLLVKMPFQTSPGGKAEGGGATTSTQVMVIKRPGRKR KAEADPQAIPKKRGRKPGSVVAAAAAEAKKKAVKESSIRSVQETVLPIKKRKTRETVSIEVKEVVK PLLVSTLGEKSGKGLKTCKSPGRKSKESSPKGRSSSASSPPKKEHHHHHHHSESPKAPVPLLP PLPPPPPEPESSEDPTSPPEPQDLSSSVCKEEKMPRGGSLESDGCPKEPAKTQPAVATAATAA EKYKHRGEGERKDIVSSSMPRPNREEPVDSRTPVTERVS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — MECP2

Entrez GeneID	4204
GeneBank Accession#	NM_004992.2
Protein Accession#	NP_004983.1
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 dispensible 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