

Rabbit anti-Human MBD5 Polyclonal Antibody | anti-MBD5 antibody

Anti-MBD5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254995	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

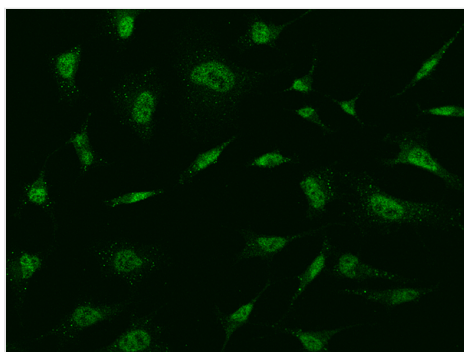
PRODUCT SYNONYMS

MBD5; Polyclonal Antibody; Anti-MBD5 Antibody; Rabbit Polyclonal; MBD5 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-MRD1 Antibody; anti-MBD5 antibody

PRODUCT SPECIFICATIONS

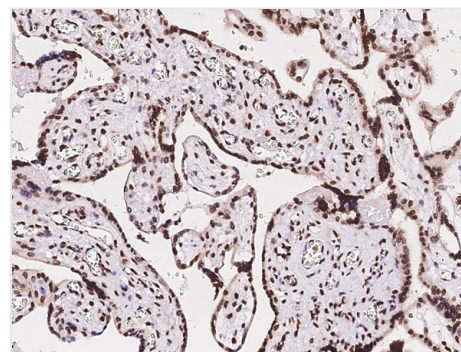
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MBD5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MBD5 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Human MBD5
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human MBD5, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



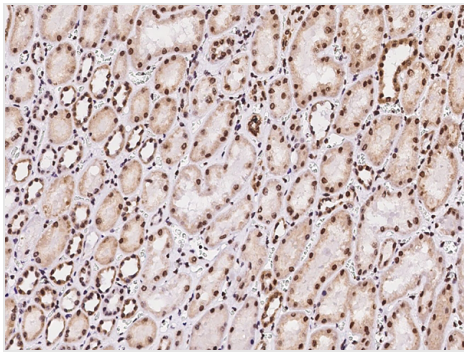
IF (Immunofluorescence)

Immunofluorescence staining of MBD5 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human MBD5 polyclonal antibody (dilution ratio 1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human MBD5 in human placenta with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
 Immunochemical staining of human MBD5 in human kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-MBD5 antibody	MBD5 (Methyl-CpG-binding domain 5) is a critical gene for normal development. Microdeletions of 2q23.1 disrupting MBD5 and loss of function mutations of MBD5 cause MBD5-Associated Neurodevelopmental disorders (MAND). MBD5-associated neurodevelopmental disorder (MAND) is an umbrella term that describes a group of disorders, 2q23.1 deletion syndrome, 2q23.1 duplication syndrome, and MBD5 variants, that affect the function of methyl-binding domain 5 (MBD5) and share a common set of neurodevelopmental, cognitive, and behavioral impairments. Methyl-CpG-binding domain 5 (MBD5)-associated neurodevelopmental disorder caused by 2q23.1 or MBD5-specific mutation has been recently identified as a genetic disorder associated with autism spectrum disorders. MBD5 haploinsufficiency is a neurodevelopmental disorder characterized by global developmental delay/intellectual disability (ID), severe speech impairment, seizures, sleep disturbances, and abnormal behaviors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296439306
NCBI GeneID	55777
UniProt Accession #	Q9P267; Q53SR1; Q9NUV6; A5HMQ4; A7E2B1
Molecular Weight	1494
NCBI Official Full Name	Methyl-CpG-binding domain protein 5
NCBI Official Synonym Full Names	methyl-CpG binding domain protein 5
NCBI Official Symbol	MBD5
NCBI Official Synonym Symbols	MRD1
NCBI Protein Information	methyl-CpG-binding domain protein 5; methyl-CpG-binding protein MBD5
UniProt Protein Name	Methyl-CpG-binding domain protein 5
UniProt Gene Name	MBD5
UniProt Synonym Gene Names	KIAA1461
UniProt Entry Name	MBD5_HUMAN

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.