

Rabbit anti-Human, Mouse MBD2 Polyclonal Antibody | anti-MBD2 antibody

MBD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA310425	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

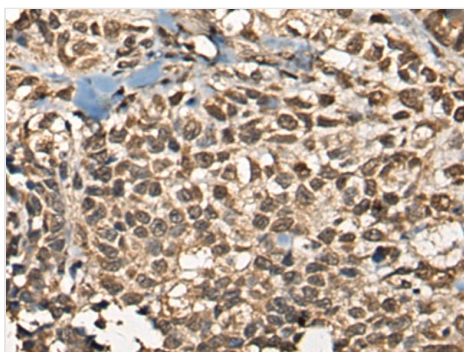
PRODUCT SYNONYMS

MBD2; Polyclonal Antibody; MBD2 Antibody; DMTase; NY-CO-41; anti-MBD2 antibody

PRODUCT SPECIFICATIONS

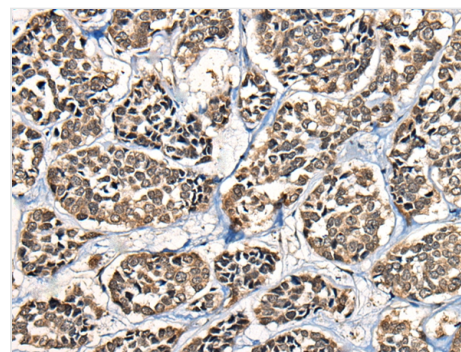
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	The antibody detects endogenous levels of total MBD2 protein.
Purity/Purification	Antigen affinity purification
Form/Format	In pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	1.1mg/ml (varies by lot)
Sequence Length	411
Applicable Applications for anti-MBD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic peptide corresponding to internal residues of human MBD2
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C.

IMAGES



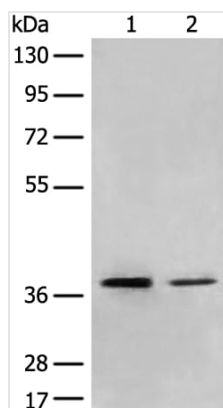
IHC (Immunohistochemisry)

The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 46609(MBD2 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)



IHC (Immunohiostchemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 46609(MBD2 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)



SDS-PAGE

Gel: 8%SDS-PAGE lysate: 40 µl (Eg, Lane 1-2: Human cerebrum tissue and Mouse brain tissue lysates, Primary antibody: 46609E MBD2 Antibody) at dilution 1/300 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 10 minutes

ADDITIONAL INFORMATION

Related Product Information for anti-MBD2 antibody	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. The protein encoded by this gene may function as a mediator of the biological consequences of the methylation signal. It is also reported that the this protein functions as a demethylase to activate transcription, as DNA methylation causes gene silencing. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-MBD2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505117
NCBI GeneID	8932
NCBI Accession #	NP_003918
NCBI GenBank Nucleotide #	NM_003927.4
UniProt Accession #	Q9UBB5; O95242; Q9UIS8
Molecular Weight	43 kDa
NCBI Official Full Name	methyl-CpG-binding domain protein 2 isoform 1
NCBI Official Synonym Full Names	methyl-CpG binding domain protein 2
NCBI Official Symbol	MBD2
NCBI Official Synonym Symbols	DMTase; NY-CO-41
NCBI Protein Information	methyl-CpG-binding domain protein 2
UniProt Protein Name	Methyl-CpG-binding domain protein 2
UniProt Gene Name	MBD2
UniProt Synonym Gene Names	DMTase

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.

