

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

MBD2 Polyclonal Antibody

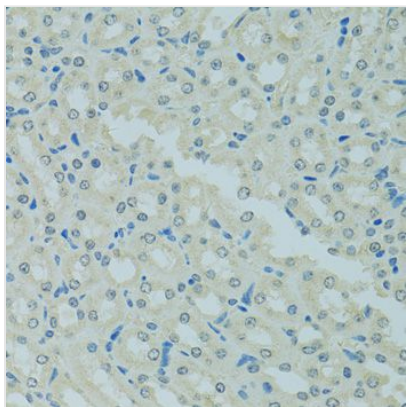
CATALOG # AAA10669	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

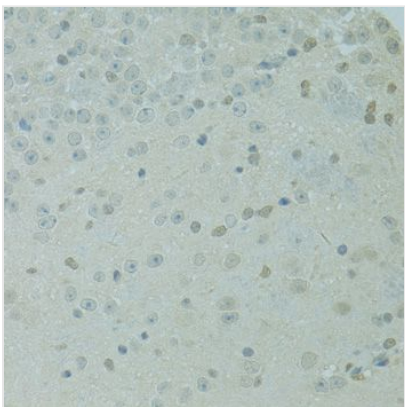
MBD2; Polyclonal Antibody; MBD2 Polyclonal Antibody; DMTase; NY-CO-41; anti-MBD2 antibody

PRODUCT SPECIFICATIONS

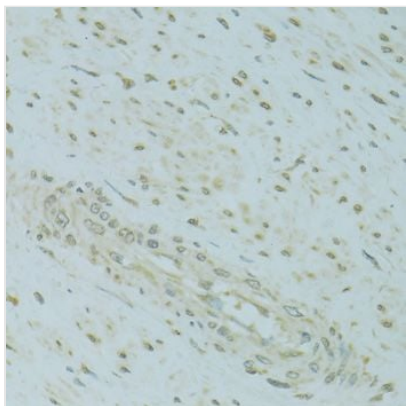
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	411
Applicable Applications for anti-MBD2 antibody	WB (Western Blot)
Application Notes	WB: 1:200 - 1:2000
Species	Human
Route	Synthetic Peptide
Immunogen	A synthetic peptide of human MBD2
Calculated Molecular Weight	43kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



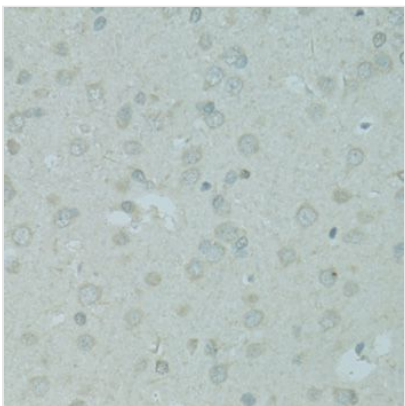
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse kidney using MBD2 antibody at dilution of 1:100 (40x lens).



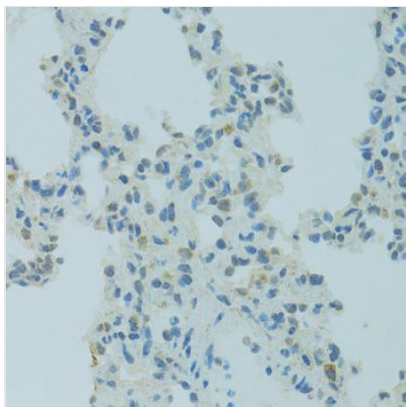
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse brain using MBD2 antibody at dilution of 1:100 (40x lens).



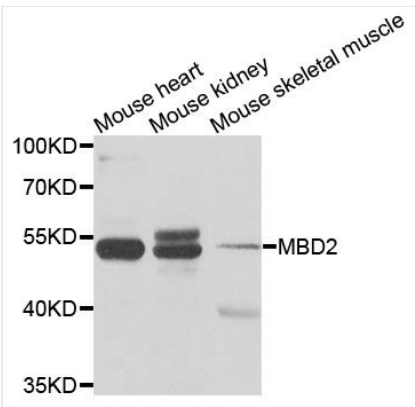
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human uterine cancer using MBD2 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat brain using MBD2 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat lung using MBD2 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using MBD2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

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	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	50401198
NCBI GeneID	8932
UniProt Accession #	Q9UBB5; O95242; Q9UIS8
Molecular Weight	411
NCBI Official Full Name	Methyl-CpG-binding domain protein 2
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; demethylase
UniProt Protein Name	Methyl-CpG-binding domain protein 2
UniProt Gene Name	MBD2
UniProt Synonym Gene Names	DMTase
UniProt Entry Name	MBD2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mbd2-antibody-western-blot-elisa/10669>