

Rabbit MBD4 Polyclonal Antibody | anti-MBD4 antibody

MBD4 Antibody

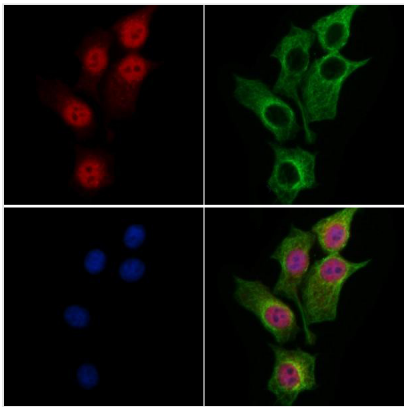
CATALOG # AAA31247	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted Reactivity: Pig(88%)	APPLICATIONS ELISA
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PRODUCT SYNONYMS

MBD4; Polyclonal Antibody; MBD4 Antibody; 3 N(4) ethenocytosine glycosylase; G/5 fluorouracil mismatch glycosylase with biphasic kinetics; G/T mismatch glycosylase; G/U mismatch glycosylase; MBD 4; MBD4_HUMAN; MED 1; MED1; Methyl CpG binding domain protein 4; Methyl CpG binding endonuclease 1; Methyl CpG binding protein MBD4; Methyl-CpG-binding domain protein 4; Methyl-CpG-binding endonuclease 1; Methyl-CpG-binding protein MBD4; Mismatch specific DNA N glycosylase; Mismatch-specific DNA N-glycosylase; Putative methyl CpG binding protein; anti-MBD4 antibody

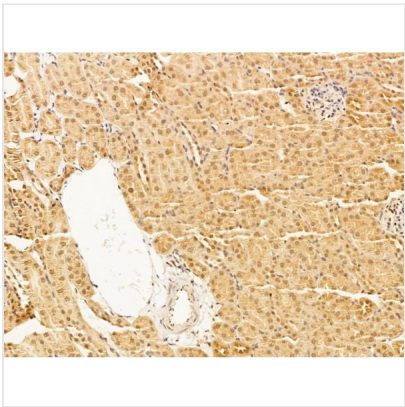
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	MBD4 Antibody detects endogenous levels of total MBD4.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	580
Applicable Applications for anti-MBD4 antibody	ELISA
Application Notes	WB: 1:500-1:2000 IF: 1:100-1:500 ICC: 1:100-1:500 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human MBD4, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IF (Immunofluorescence)

AAA31247 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31247) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



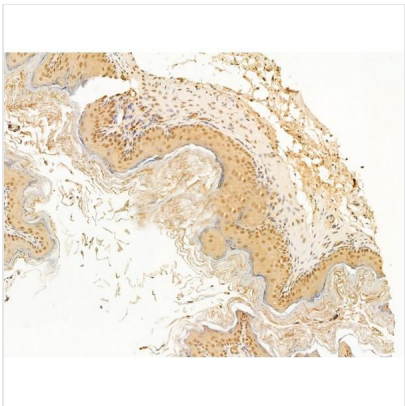
IHC (Immunohistochemistry-Paraffin)

AAA31247 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



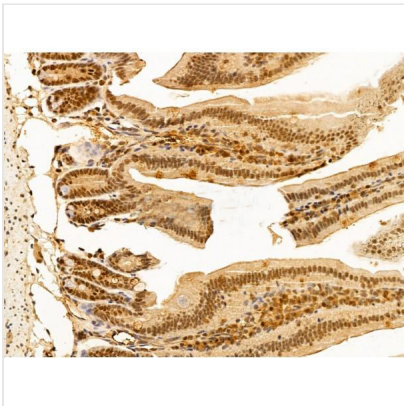
IHC (Immunohistochemistry-Paraffin)

AAA31247 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



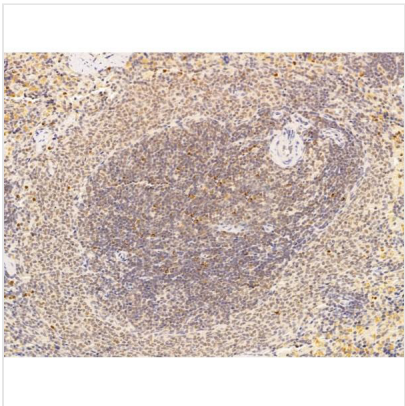
IHC (Immunohistochemistry-Paraffin)

AAA31247 at 1/100 staining Mouse stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31247 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31247 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MBD4 antibody	Function: Mismatch-specific DNA N-glycosylase involved in DNA repair. Has thymine glycosylase activity and is specific for G:T mismatches within methylated and unmethylated CpG sites. Can also remove uracil or 5-fluorouracil in G:U mismatches. Has no lyase activity. Was first identified as methyl-CpG-binding protein.
	Subcellular Location: Nucleus.
	Subunit Structure: Interacts with MLH1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50400819
NCBI GeneID	8930
UniProt Accession #	O95243
Molecular Weight	Observed Molecular Weight: (Observed)66kD. Predicted Molecular Weight: (Calculated)66kDa.
NCBI Official Full Name	Methyl-CpG-binding domain protein 4
NCBI Official Synonym Full Names	methyl-CpG binding domain 4, DNA glycosylase
NCBI Official Symbol	MBD4
NCBI Official Synonym Symbols	MED1
NCBI Protein Information	methyl-CpG-binding domain protein 4
UniProt Protein Name	Methyl-CpG-binding domain protein 4
UniProt Gene Name	MBD4
UniProt Synonym Gene Names	MED1
UniProt Entry Name	MBD4_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/mbd4-antibody-elisa/31247>