BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-MBD2 Antibody

Catalog Number: M01746-1

About MBD2

Binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within CpG dinucleotides. Binds hemimethylated DNA as well. Recruits histone deacetylases and DNA methyltransferases. Acts as transcriptional repressor and plays a role in gene silencing. Functions as a scaffold protein, targeting GATAD2A and GATAD2B to chromatin to promote repression. May enhance the activation of some unmethylated cAMP-responsive promoters.

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Overview

Product Name	Anti-MBD2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-MBD2 Antibody (Catalog # M01746-1). Tested in WB, IHC-P application(s). This antibody reacts with Human.
Application	IHC-P, WB
Clonality	Monoclonal 1812CT625.9.45
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q9UBB5

Technical Details

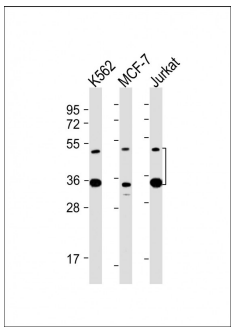
Immunogen	This MBD2 antibody is generated from a mouse immunized with a recombinant protein between 10-228 amino acids from human MBD2.
Predicted Reactive Species	Mouse
Isotype	IgG1,k

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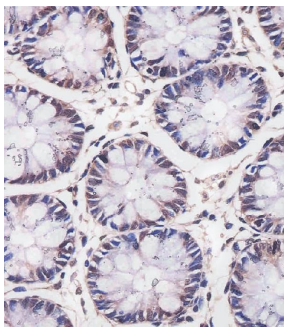
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:2000 IHC-P: 1:25 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti-MBD2 Antibody (M01746-1) Images



All lanes : Anti-MBD2 Antibody at 1:2000 dilutionLane 1: K562 whole cell lysateLane 2: MCF-7 whole cell lysateLane 3: Jurkat whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M01746-1 staining MBD2 in human colon tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

Anti-MBD2 Antibody

For Research Use Only. Not for use in diagnostic procedures.