ARG64093
anti-MBD2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes MBD2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	IHC-P, WB
Specificity	This antibody is expected to resognize isoform 1 (NP_003918.1) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	MBD2
Species	Human
Immunogen	C-RNDPLNQNKGKPDLN
Conjugation	Un-conjugated
Alternate Names	Methyl-CpG-binding protein MBD2; Methyl-CpG-binding domain protein 2; Demethylase; NY-CO-41; DMTase

Application Instructions

Application table

Application	Dilution
IHC-P	2.5 µg/ml
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

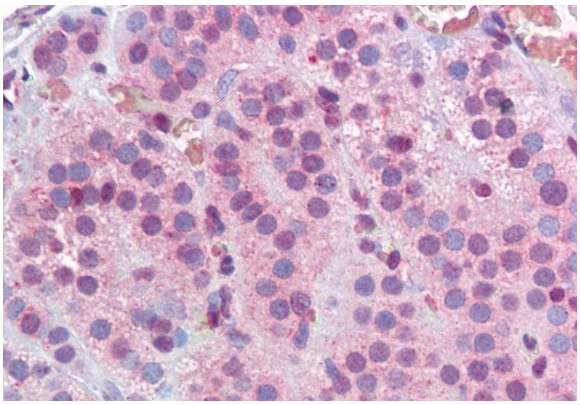
Bioinformation

Database links	GeneID: 8932 Human Swiss-port # Q9UBB5 Human
Background	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. [provided by RefSeq, Feb 2011]
Research Area	Gene Regulation antibody
Calculated Mw	43 kDa

Images

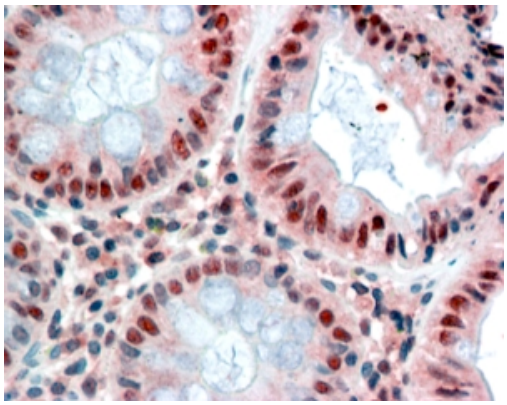
ARG64093 anti-MBD2 antibody WB image

Western Blot: Jurkat cell lysate (35 µg protein in RIPA buffer) stained with ARG64093 anti-MBD2 (isoform 1) antibody at 0.3 µg/ml dilution.



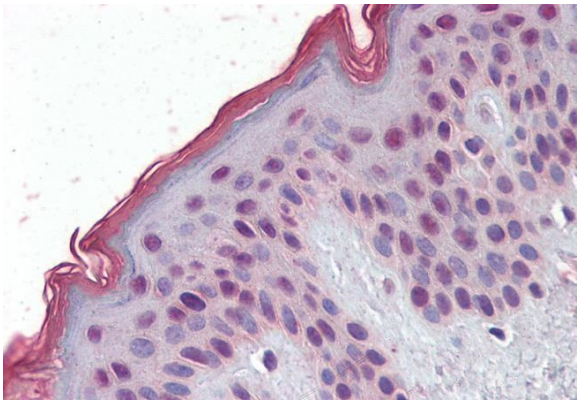
ARG64093 anti-MBD2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human adrenal gland tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64093 anti-MBD2 antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG64093 anti-MBD2 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Colon. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64093 anti-MBD2 (isoform 1) antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG64093 anti-MBD2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human skin tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64093 anti-MBD2 antibody at 2.5 µg/ml dilution followed by AP-staining.