MBD2-b Antibody

Catalog No: #46610

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

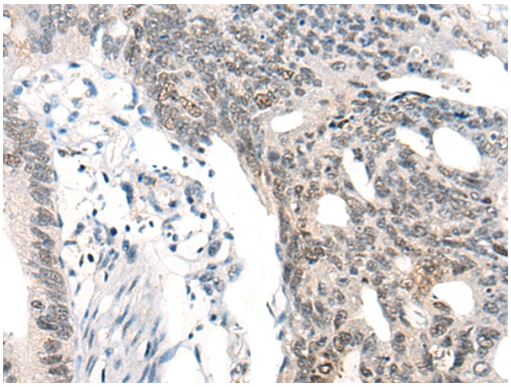
Description

Product Name	MBD2-b Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MBD2-b protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to internal residues of human MBD2-b
Target Name	MBD2-b
Other Names	DMTase; NY-CO-41
Accession No.	Swiss-Prot:Q9UBB5NCBI Gene ID:8932NCBI Protein:NP_056647
Uniprot	Q9UBB5
GeneID	8932;
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1: 20-100

Images



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using 46610(MBD2-b Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: x200)

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.

Note: This product is for in vitro research use only