

MBD3 Conjugated Antibody

Catalog No: #C49858



Package Size: #C49858-AF350 100ul #C49858-AF405 100ul #C49858-AF488 100ul
 #C49858-AF555 100ul #C49858-AF594 100ul #C49858-AF647 100ul
 #C49858-AF680 100ul #C49858-AF750 100ul #C49858-Biotin 100ul

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Description

Product Name	MBD3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AI181826 antibody AU019209 antibody MBD 3 antibody Mbd3 antibody MBD3: methyl CpG binding domain protein 3 antibody MBD3_HUMAN antibody Methyl CpG binding domain protein 3 antibody Methyl CpG binding protein MBD3 antibody Methyl-CpG-binding domain protein 3 antibody Methyl-CpG-binding protein MBD3 antibody
Accession No.	Swiss-Prot#:O95983
Uniprot	O95983
GeneID	53615;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	33 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Methylation of DNA contributes to the regulation of gene transcription in both mammalian and invertebrate systems. DNA methylation predominates on cytosine residues that are present in dinucleotide motifs consisting of a 5'-CG-3' cytosine followed by guanosine (CpG), and it requires the enzymatic activity of DNA methyltransferase, which results in transcriptional repression of the methylated gene. Several proteins have been identified that associate with the methyl-CpG sites, and they include methyl-CpG binding protein-1 (MBD1), MBD2, MBD3, MBD4 and MeCP2. Expression of the MBD proteins is highest in somatic tissues.

Note: This product is for in vitro research use only