

DNA (cytosine-5) methyltransferase3A Polyclonal Conjugated Antibody

Catalog No: #C42151

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

Package Size: #C42151-AF350 100ul #C42151-AF405 100ul #C42151-AF488 100ul

#C42151-AF555 100ul #C42151-AF594 100ul #C42151-AF647 100ul

#C42151-AF680 100ul #C42151-AF750 100ul #C42151-Biotin 100ul

Description

Product Name	DNA (cytosine-5) methyltransferase3A Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total DNA (cytosine-5) methyltransferase3A polyclonal antibody.
Immunogen Description	Recombinant human DNA (cytosine-5)-methyltransferase 3A protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	DNA methyltransferase HsallIA, DNMT3A
Accession No.	Swiss-Prot#:Q9Y6K1
Uniprot	Q9Y6K1
GeneID	1788;
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
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

Required for genome-wide de novo methylation and is essential for the establishment of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. It modifies DNA in a non-processive manner and also methylates non-CpG sites. May preferentially methylate DNA linker between 2 nucleosomal cores and is inhibited by histone H1. Plays a role in paternal and maternal imprinting. Required for methylation of most imprinted loci in germ cells. Acts as a transcriptional corepressor for ZNF238. Can actively repress transcription through the recruitment of HDAC activity

Note: This product is for in vitro research use only