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Datasheet for ABIN308218

anti-5-Methylcytidine antibody

1 Image

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Overview

Quantity:	100 µg
Target:	5-Methylcytidine
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This 5-Methylcytidine antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Clone:	33D3
Isotype:	IgG1
Specificity:	Modified base 5-methylcytidine
Purification:	Purified IgG from culture supernatant by Affinity chromatography on Protein A ceramic hyper D F - Filtration on 0.22 µm.

Target Details

Target:	5-Methylcytidine
Abstract:	5-Methylcytidine Products
Target Type:	Chemical

Target Details

Background: DNA methylation is a DNA modification process, which is involved in the control of gene expression. The 5-Methylcytidine antibody specifically binds the modified base 5-methylcytidine (5-MeCyd) found in DNA of plants and vertebrates.

Application Details

Application Notes: MeDIP: Used 5ul in 200ul reaction with 2ug digested genomic DNA from Drosophila. Flow Cyt: Use 10ul of working dilution to label 1000000 cells in 100ul. ICC/IF: Used at a dilution of 1/200 for 16 hrs. IHC-P: Use at an assay dependent dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Sodium citrate buffer pH6.0 is recommended for this purpose. IHC-Fr: Use at an assay dependent dilution. Optimal dilutions/concentrations should be determined by the end user.

Comment: For research use only

Restrictions: For Research Use only

Handling

Format: Liquid

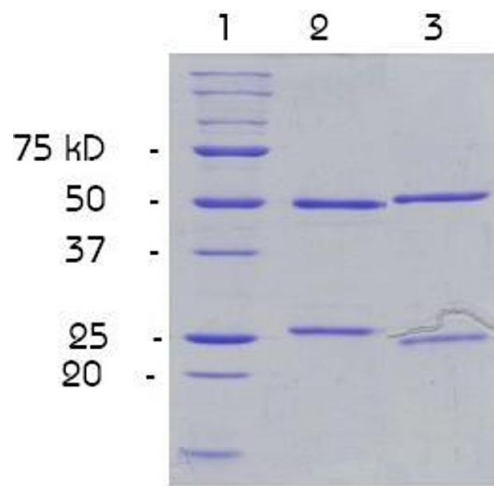
Concentration: 1 mg/ml

Buffer: Phosphate Buffered Saline 10 mM – NaCl 0.15 M – pH 7.4

Storage: -20 °C

Publications

Product cited in: Cho, Ryu, Won, Vang, Oh, Ro, Bae: "Rat odontoblasts may use glutamate to signal dentin injury." in: **Neuroscience**, Vol. 335, pp. 54-63, (2016) ([PubMed](#)).



Western Blotting

Image 1. Purity control (SDS PAGE): Polyacrylamide gel 13,5 % under denaturated conditions. Staining: Coomassie Blue. Lane 1: Molecular Weight markers. Lane 2: IgG Isotype Control. Lane 3: ABIN308218 (1 ug).