Datasheet for ABIN542436

anti-MBD1 antibody (N-Term)

2 Images | 1 Publication

Go to Product page

Overview

Quantity:	50 µg
Target:	MBD1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MBD1 antibody is un-conjugated
Application:	ELISA, Chromatin Immunoprecipitation (ChIP)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of MBD1.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human MBD1.
Cross-Reactivity:	Human

Target Details

Target:	MBD1
Alternative Name:	MBD1 (MBD1 Products)
Gene ID:	4152

Application Details

Application Notes:	ELISA (1:300-1:1000) ChIP (1.7 µg/ChIP) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In PBS (0.05 % sodium azide, 0.05 % proclin 300)
Preservative:	ProClin, Sodium azide
Precaution of Use:	This product contains ProClin and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Xiong, Dowdy, Eberhardt, Podratz, Jiang: "hMLH1 promoter methylation and silencing in primary endometrial cancers are associated with specific alterations in MBDs occupancy and histone modifications." in: **Gynecologic oncology**, Vol. 103, Issue 1, pp. 321-8, (2006) (PubMed).

Images

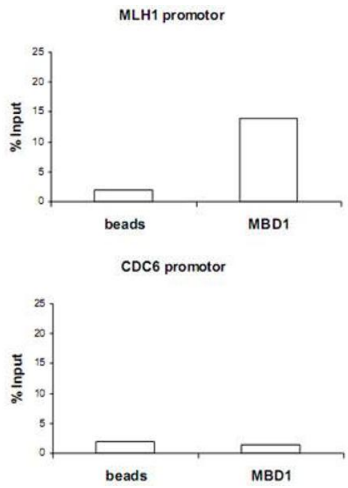
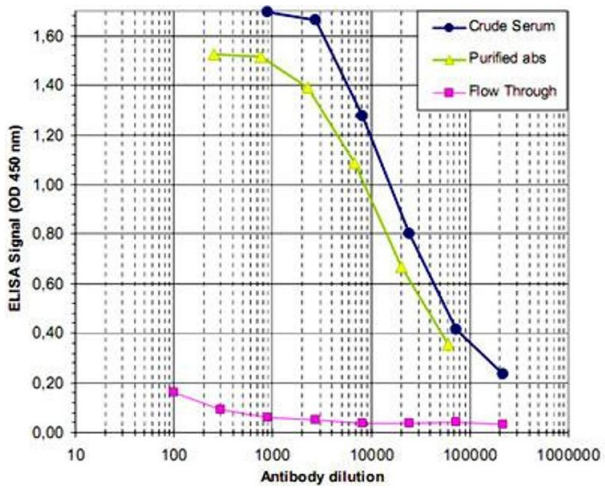


Image 1. ChIP assays were performed using the U-2 OS (human osteosarcoma cell line), MBD1 polyclonal antibody and optimized PCR primer sets. Chromatin sheared from 1x10 6 cells and 1.7 ug of MBD1 antibody or beads only were used per ChIP experiment. Figure shows the recovery as a % of the input DNA. Upper : Recovery by MBD1 or beads only of the MLH1 promoter, which specifically binds MBD1 (ref 1). Bottom : Recovery of the CDC6 promoter

(used as a negative control) by MBD1 or beads only.



ELISA

Image 2. ELISA was performed using a serial dilution of MBD1 polyclonal antibody , crude serum and Flow Through in antigen coated wells. By plotting the absorbance against the antibody dilution, the titer of the purified antibody was estimated to be 1 : 16,500.

