Datasheet for ABIN651309

anti-JHDM1D antibody (AA 290-316)

5 Images

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Overview

Quantity:	400 µL
Target:	JHDM1D
Binding Specificity:	AA 290-316
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JHDM1D antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This JHDM1D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 290-316 amino acids from the Central region of human JHDM1D.
Clone:	RB26200
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	JHDM1D
Alternative Name:	JHDM1D (JHDM1D Products)

Target Details

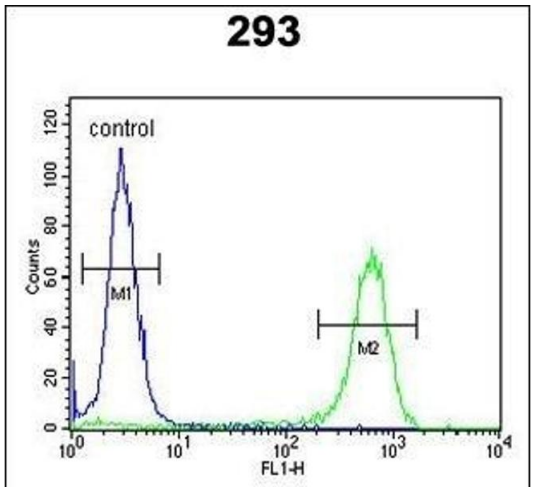
Background:	JHDM1D histone demethylase that specifically demethylates dimethylated 'Lys-9' and 'Lys-27' (H3K9me2 and H3K27me2, respectively) of histone H3, thereby playing a central role in histone code. This specifically binds trimethylated 'Lys-4' of histone H3 (H3K4me3), affecting histone demethylase specificity: in presence of H3K4me3, it has no demethylase activity toward H3K9me2, while it has high activity toward H3K27me2. This demethylates H3K9me2 in absence of H3K4me3.
Molecular Weight:	106557
Gene ID:	80853
NCBI Accession:	NP_085150
UniProt:	Q6ZMT4

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:100. IHC-P: 1:100. FC: 1:10~50
Restrictions:	For Research Use only

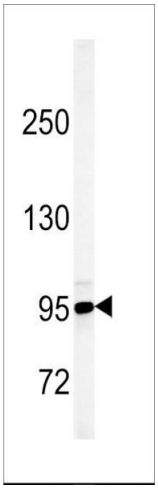
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



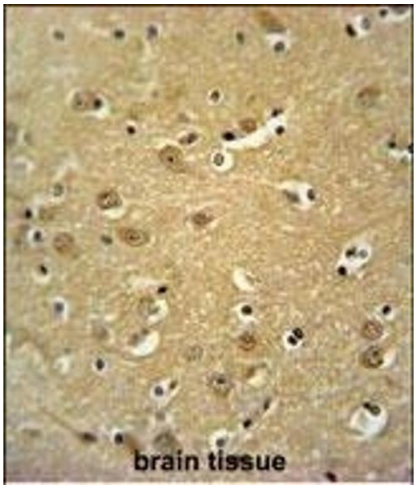
Flow Cytometry

Image 1. JHDM1D Antibody (Center) (ABIN651309 and ABIN2840180) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of JHDM1D Antibody (Center) (ABIN651309 and ABIN2840180) in 293 cell line lysates (35 µg/lane).JHDM1D (arrow) was detected using the purified Pab.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. JHDM1D Antibody (Center) (ABIN651309 and ABIN2840180) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the JHDM1D Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the product details page for more images. Overall 5 images are available for ABIN651309.