

Datasheet for ABIN6943852 **anti-KDM4A antibody**



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Overview

Quantity:	50 µg
Target:	KDM4A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM4A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Polyclonal antibody raised in rabbit against human JMJD2a (Jumonji domain containing 2a), using a KLH-conjugated synthetic peptide containing a sequence from the central part of the protein
Cross-Reactivity:	Human
Purification:	Affinity purified polyclonal antibody in PBS containing 0.05% azide and 0.05% ProClin 300.

Target Details

Target:	KDM4A
Alternative Name:	JMJD2a (KDM4A Products)
Background:	Synonyms: JHDM3A, KDM4A, JMJD2, Lysine-specific demethylase 4A Background: Histone demethylase that specifically demethylates 'Lys-9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3

Target Details

'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate. Participates in transcriptional repression of ASCL2 and E2F-responsive promoters via the recruitment of histone deacetylases and NCOR1, respectively. Isoform 2: Crucial for muscle differentiation, promotes transcriptional activation of the Myog gene by directing the removal of repressive chromatin marks at its promoter. Lacks the N-terminal demethylase domain.

Gene ID: 9682

UniProt: [075164](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IF()

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.6 µg/µL

Buffer: PBS with 0.05 % sodium azide and 0.05 % Proclin300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months