

Product datasheet

Anti-KDM4D / JMJD2D antibody ab35668

Overview

Product name	Anti-KDM4D / JMJD2D antibody
Description	Rabbit polyclonal to KDM4D / JMJD2D
	<p>ⓘ This product is a fast track antibody. It has been affinity purified and shows high titre values against the immunizing peptide by ELISA. Read the terms of use »</p>
Host species	Rabbit
Species reactivity	<p>Predicted to work with: Human ⚠</p>
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 400 - 500 of Human JMJD2D. Read Abcam's proprietary immunogen policy (Peptide available as ab35667 .)

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Application notes	This antibody gave a positive result in ELISA against the immunizing peptide (ab35667). Not yet tested in other applications.
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Target

Function	Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central
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role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Demethylates both di- and trimethylated H3 'Lys-9' residue, while it has no activity on monomethylated residues. Demethylation of Lys residue generates formaldehyde and succinate.

Sequence similarities

Belongs to the JHDM3 histone demethylase family.
Contains 1 JmjC domain.
Contains 1 JmjN domain.

Cellular localization

Nucleus.

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