

Product datasheet

Anti-KDM4D / JMJD2D antibody ab35668

Overview

**Product name** Anti-KDM4D / JMJD2D antibody  
**Description** Rabbit polyclonal to KDM4D / JMJD2D

 **This product is a [fast track antibody](#). It has been affinity purified and shows high titre values against the immunizing peptide by ELISA.**

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**Host species** Rabbit  
**Species reactivity**

**Predicted to work with:** Human 

**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.

Target

<b>Function</b>	Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a central 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.
<b>Sequence similarities</b>	Belongs to the JHDM3 histone demethylase family. Contains 1 JmjC domain. Contains 1 JmjN domain.
<b>Cellular localization</b>	Nucleus.

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