

Rabbit anti-Human, mouse JMJD2B Polyclonal Antibody | anti-KDM4B antibody

JMJD2B Antibody (T305)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289483	Rabbit	Human, mouse	ELISA, Western Blot

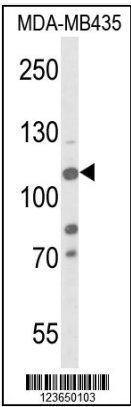
PRODUCT SYNONYMS

JMJD2B; Polyclonal Antibody; JMJD2B Antibody (T305); Lysine-specific demethylase 4B; 11411-; JmjC domain-containing histone demethylation protein 3B; Jumonji domain-containing protein 2B; KDM4B; JHDM3B; KIAA0876; anti-KDM4B antibody

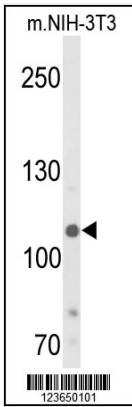
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This JMJD2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 281-306 amino acids from human JMJD2B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	281-306
Sequence Length	448
Applicable Applications for anti-KDM4B antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of JMJD2B-T305 in MDA-MB435 cell line lysates (35ug/lane). JMJD2B (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of JMJD2B-T305 in NIH-3T3 cell line lysates (35ug/lane). JMJD2B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM4B antibody	Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate.
References	Beyer, S., et al. J. Biol. Chem. 283(52):36542-36552(2008) Pollard, P.J., et al. Biochem. J. 416(3):387-394(2008) Kato, Y., et al. Int. J. Mol. Med. 20(2):269-273(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	45504380
NCBI GeneID	23030
NCBI Accession #	NP_055830.1
NCBI GenBank Nucleotide #	NM_015015.2
UniProt Accession #	O94953; O75274; Q6P3R5; Q9P1V1; Q9UF40; B9EGN8; D6W631
Molecular Weight	121897
NCBI Official Full Name	lysine-specific demethylase 4B
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 4B
NCBI Official Symbol	KDM4B
NCBI Official Synonym Symbols	JMJD2B; TDRD14B
NCBI Protein Information	lysine-specific demethylase 4B
UniProt Protein Name	Lysine-specific demethylase 4B
UniProt Gene Name	KDM4B
UniProt Synonym Gene Names	JHDM3B; JMJD2B; KIAA0876
UniProt Entry Name	KDM4B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

