

Rabbit M JMJD3 Polyclonal Antibody | anti-Kdm6b antibody

M JMJD3 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289150	Rabbit	Mouse (Predicted Reactivity: Human)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

M JMJD3; Polyclonal Antibody; M JMJD3 Antibody (C-term); Lysine-specific demethylase 6B; 11411-; JmjC domain-containing protein 3; Jumonji domain-containing protein 3; Kdm6b; Jmjd3; Kiaa0346; anti-Kdm6b antibody

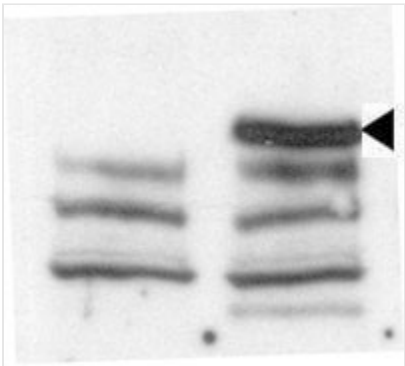
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Human)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse JMJD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1606-1641 amino acids from the C-terminal region of mouse JMJD3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.12 (varies by lot)
Sequence Positions	1606-1641
Sequence Length	1641
Applicable Applications for anti-Kdm6b antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
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



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human Skeletal Muscle tissue reacted with JMJD3 Antibody(C-term) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-JMJD3 C-term Pab in untransfected 293 cells (left) and transfected 293 cells (right). The detection of a prominent band at 180kDa is observed on transfected 293 cells but not on the untransfected 293 cells. Data kindly provided by Dr.Gioacchino Natoli of European Institute of Oncology.

ADDITIONAL INFORMATION

Related Product Information for anti-Kdm6b antibody	Covalent modification of histones plays critical role in regulating chromatin structure and transcription. While most covalent histone modifications are reversible, only recently has it been established that methyl groups are subject to enzymatic removal from histones. A family of novel JmjC domain-containing histone demethylation (JHDM) enzymes have been identified that perform this specific function. Histone demethylation by JHDM proteins requires cofactors Fe(II) and alpha-ketoglutarate. Family members include JHDM1 (demethylating histone 3 at lysine 36), and JHDM2A as well as JMJD2CH3K9 (both of which demethylate histone 3 at lysine 9). Contributions of histone demethylase activity to tumor development, decreases in cell proliferation, and hormone-dependent transcriptional activation have been observed.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62945394
NCBI GeneID	216850
NCBI Accession #	NP_001017426.1
NCBI GenBank Nucleotide #	NM_001017426.1
UniProt Accession #	Q5NCY0; Q3UWY9; Q4VC26; Q6ZQD3
Molecular Weight	176355
NCBI Official Full Name	lysine-specific demethylase 6B
NCBI Official Synonym Full Names	KDM1 lysine (K)-specific demethylase 6B
NCBI Official Symbol	Kdm6b
NCBI Official Synonym Symbols	Jmjd3; BC038313; mKIAA0346; 1700064E03Rik
NCBI Protein Information	lysine-specific demethylase 6B
UniProt Protein Name	Lysine-specific demethylase 6B
UniProt Gene Name	Kdm6b
UniProt Synonym Gene Names	Jmjd3; Kiaa0346
UniProt Entry Name	KDM6B_MOUSE

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.

