

Rabbit JMJD3 Polyclonal Antibody | anti-KDM6B antibody

JMJD3 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289869	Rabbit	Human (Predicted Reactivity: Mouse)	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

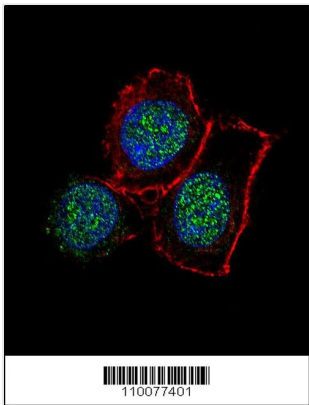
PRODUCT SYNONYMS

JMJD3; Polyclonal Antibody; JMJD3 Antibody (N-term); Lysine-specific demethylase 6B; 11411-; JmjC domain-containing protein 3; Jumonji domain-containing protein 3; Lysine demethylase 6B; KDM6B; KIAA0346; anti-KDM6B antibody

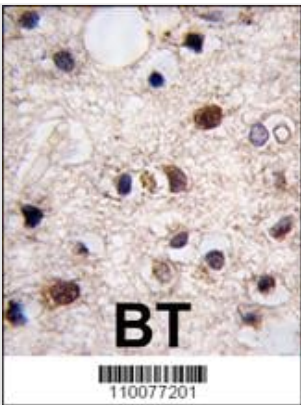
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This JMJD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human 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: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	1,682
Applicable Applications for anti-KDM6B antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), 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.

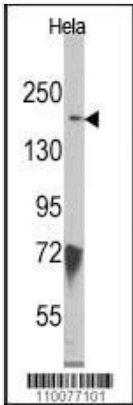
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of JMJD3 Antibody (N-term) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with JMJD3 (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB 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 (N-term) Pab (AAA289869) in HeLa cell line lysates. JMJD3 (arrow) was detected using the purified Pab.

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	122937251
NCBI GeneID	23135
NCBI Accession #	NP_001073893.1
NCBI GenBank Nucleotide #	NM_001080424.1
UniProt Accession #	O15054; Q96G33; C9IZ40
Molecular Weight	176632

NCBI Official Full Name	lysine-specific demethylase 6B
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 6B
NCBI Official Symbol	KDM6B
NCBI Official Synonym Symbols	JMJD3
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_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/jmjd3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/289869>