

Rabbit JHDM1a/FBXL11 Polyclonal Antibody | anti-KDM2A antibody

JHDM1a/FBXL11 Antibody (C-term)

CATALOG # AAA288022	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse)	APPLICATIONS ELISA, Western Blot
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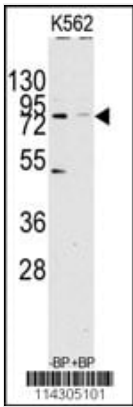
PRODUCT SYNONYMS

JHDM1a/FBXL11; Polyclonal Antibody; JHDM1a/FBXL11 Antibody (C-term); Lysine-specific demethylase 2A; CXXC-type zinc finger protein 8; F-box and leucine-rich repeat protein 11; F-box protein FBL7; F-box protein Lilina; F-box/LRR-repeat protein 11; JmjC domain-containing histone demethylation protein 1A; [Histone-H3]-lysine-36 demethylase 1A; KDM2A; CXXC8; FBL7; FBXL11; JHDM1A; KIAA1004; anti-KDM2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This JHDM1a/FBXL11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 867-896 amino acids from the C-terminal region of human JHDM1a/FBXL11.
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.
Sequence Positions	867-896
Sequence Length	723
Applicable Applications for anti-KDM2A antibody	ELISA, WB (Western Blot)
Clone Names	RB14305
Function	Histone demethylase that specifically demethylates 'Lys- 36' of histone H3, thereby playing a central role in histone code. Preferentially demethylates dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys- 36'. May also recognize and bind to some phosphorylated proteins and promote their ubiquitination and degradation. Required to maintain the heterochromatic state. Associates with centromeres and represses transcription of small non-coding RNAs that are encoded by the clusters of satellite repeats at the centromere. Required to sustain centromeric integrity and genomic stability, particularly during mitosis.
Cellular Location	Nucleus, nucleoplasm Note=Punctate expression throughout the nucleoplasm and enriched in the perinucleolar region. Specifically nucleates at CpG islands where it's presence results in chromatin depleted in H3K36me2
Tissue Location	Widely expressed, with highest levels in brain, testis and ovary, followed by lung
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. 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 anti-JHDM1a/FBXL11 Antibody (C-term) (AAA288022) pre-incubated with(right lane) and without(left lane) blocking peptide in Jurkat cell line lysate. JHDM1a(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KDM2A antibody	JHDM1a/FBXL11 is a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box),which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. JHDM1a/FBXL11 belongs to the Fbls class and, in addition to an F-box, contains at least 6 highly degenerated leucine-rich repeats.
References	Tsukada,Y.,Nature 439 (7078), 811-816 (2006) Andersen,J.S.,Nature 433 (7021), 77-83 (2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	373938467
NCBI GeneID	22992
NCBI Accession #	NP_001243334.1; NP_036440.1
NCBI GenBank Nucleotide #	NM_001256405.1
UniProt Accession #	Q9Y2K7; Q49A21; Q4G0M3; Q69YY8; Q9BVH5; Q9H7H5; Q9UK66; D4QA03; E9PIL6; I3VM55
Molecular Weight	132793
NCBI Official Full Name	lysine-specific demethylase 2A isoform b
NCBI Official Synonym Full Names	lysine (K)-specific demethylase 2A
NCBI Official Symbol	KDM2A
NCBI Official Synonym Symbols	FBL7; CXXC8; FBL11; FBXL11; JHDM1A; LILINA
NCBI Protein Information	lysine-specific demethylase 2A
UniProt Protein Name	Lysine-specific demethylase 2A
UniProt Gene Name	KDM2A
UniProt Synonym Gene Names	CXXC8; FBL7; FBXL11; JHDM1A; KIAA1004
UniProt Entry Name	KDM2A_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/jhdm1a-fbxl11-antibody-western-blot-elisa/288022>