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# JHDM1a/FBXL11 Antibody (C-term)

**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP1043b**

## Specification

### JHDM1a/FBXL11 Antibody (C-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | Q9Y2K7 |
| Other Accession | P59997 |
| Reactivity | **Human** |
| Predicted | **Mouse** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **132793** |
| Antigen Region | **867-896** |

### JHDM1a/FBXL11 Antibody (C-term) - Additional Information

**Gene ID** 22992

**Other Names**
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

**Target/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.

**Dilution**
WB~~1:1000
E~~Use at an assay dependent concentration.

**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.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
JHDM1a/FBXL11 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### JHDM1a/FBXL11 Antibody (C-term) - Protein Information

**Name** KDM2A

**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. Regulates circadian gene expression by repressing the transcriptional activator activity of CLOCK-BMAL1 heterodimer and RORA in a catalytically- independent manner (PubMed:26037310).

**Cellular Location**
Nucleus, nucleoplasm. Chromosome Note=Punctate expression throughout the nucleoplasm and enriched in the perinucleolar region (PubMed:19001877, PubMed:20417597). Specifically nucleates at CpG islands where it's presence results in chromatin depleted in H3K36me2 (PubMed:19001877, PubMed:20417597)

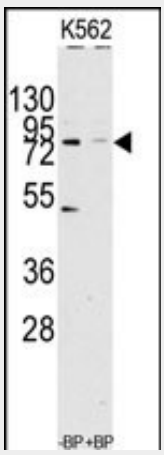
**Tissue Location**
Widely expressed, with highest levels in brain, testis and ovary, followed by lung.

## JHDM1a/FBXL11 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## JHDM1a/FBXL11 Antibody (C-term) - Images




Western blot analysis of anti-JHDM1a/FBXL11 Antibody (C-term) (Cat.#AP1043b) pre-incubated with(right lane) and without(left lane) blocking peptide in Jurkat cell line lysate. JHDM1a(arrow)

was detected using the purified Pab.

**JHDM1a/FBXL11 Antibody (C-term) - Background**

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.

**JHDM1a/FBXL11 Antibody (C-term) - References**

Tsukada,Y.,Nature 439 (7078), 811-816 (2006)
Andersen,J.S.,Nature 433 (7021), 77-83 (2005)