

# KDM3A Rabbit pAb

Catalog No.: A11960 **2 Publications**

## Basic Information

### Observed MW

147kDa

### Calculated MW

147kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, ELISA

### Cross-Reactivity

Human

## Background

Enables androgen receptor binding activity; histone H3-methyl-lysine-9 demethylase activity; and iron ion binding activity. Involved in several processes, including androgen receptor signaling pathway; formaldehyde biosynthetic process; and histone H3-K9 demethylation. Located in nucleoplasm. Implicated in cervical cancer and colon cancer. Biomarker of Ewing sarcoma; hepatocellular carcinoma; nasopharynx carcinoma; and prostate cancer.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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## Immunogen Information

### Gene ID

55818

### Swiss Prot

Q9Y4C1

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

TSGA; JMJD1; JHDM2A; JHMD2A; JMJD1A; KDM3A

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

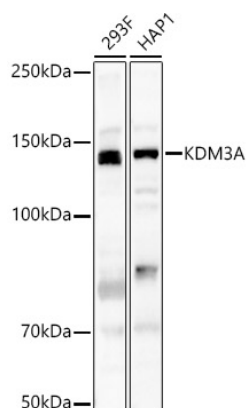
Affinity purification

### Storage

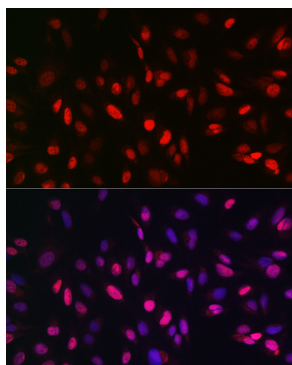
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

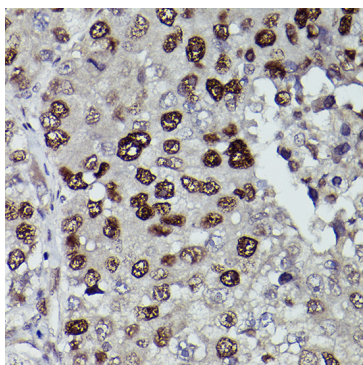
## Validation Data



Western blot analysis of various lysates, using KDM3A Rabbit pAb (A11960) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using KDM3A Rabbit pAb (A11960) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using KDM3A Rabbit pAb (A11960) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.