

**Product Name: KDM2A Rabbit Monoclonal Antibody**  
**Catalog #: AMRe01977**



## Summary

<b>Production Name</b>	KDM2A Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-F,IHC-P,ICC/IF,IP
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	KDM2A
<b>Alternative Names</b>	FBL7; CXXC8; FBL11; FBXL11; JHDM1A; LILINA
<b>Gene ID</b>	22992
<b>SwissProt ID</b>	Q9Y2K7.

## Application

<b>Dilution Ratio</b>	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 1:20
<b>Molecular Weight</b>	Calculated MW: 133 kDa; Observed MW: 133 kDa

## Background

Histone demethylase that specifically demethylates 'Lys-36' of histone H3, thereby playing a central role in histone code.

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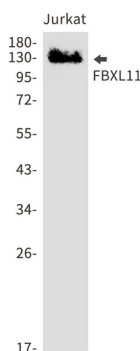


Preferentially demethylates dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36'. May also recognize and bind to some phosphorylated proteins and promote their ubiquitination and degradation. Required to maintain the heterochromatic state. Associates 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.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of FBXL11 in Jurkat lysates using KDM2A antibody.

## Note

For research use only.