

Recombinant KDM2A Monoclonal Antibody

catalog number: **AN301693L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

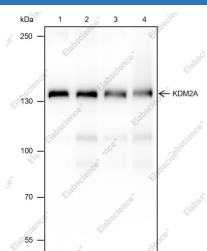
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of human FBXL11
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111316
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000
IHC-P	1:100-1:200
ICC/IF	1:500-1:1000
IP	1:50-1:100

Data

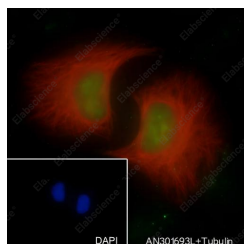


Western Blot with KDM2A Monoclonal Antibody at dilution of 1:5000. Lane 1: HeLa, Lane 2: MCF7, Lane 3:

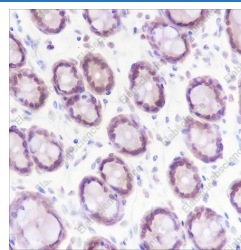
SK-BR-3, Lane 4: 4T1

Observed-MW:133 kDa

Calculated-MW:133 kDa



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-KDM2A Monoclonal Antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Rat colon using KDM2A Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

For Research Use Only

Toll-free: 1-888-852-8623
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Rev. V1.4

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 Trimethylated H3 'Lys-36'. May also recognize and bind to some phosphorylated proteins and promote their ubiquitination and degradation. 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-ARNTL/BMAL1 heterodimer and RORA in a catalytically-independent manner.