

Recombinant KDM2A Monoclonal Antibody

catalog number: **AN301693L**

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

Description

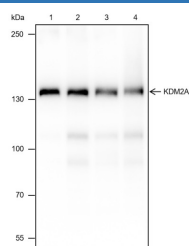
Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human KDM2A fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C111316
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000-1:5000
IHC	1:50-1:100
IF	1:50

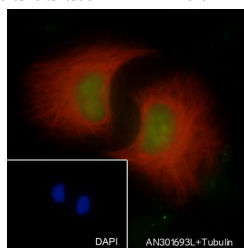
Data



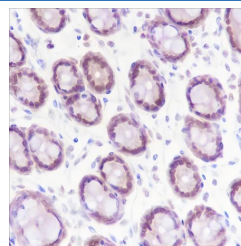
Western Blot with KDM2A Monoclonal Antibody at dilution of 1:5000. Lane 1: HeLa, Lane 2: MCF7, Lane 3: SK-BR-3, Lane 4: 4T1

Observed-MW:140 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
Web: www.elabscience.com

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Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Rev. V1.1

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.