

Anti-KDM1/LSD1 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Rabbit)
Molecular Weight:	Theoretical: 94 kDa. Actual: 120 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (KDM1/LSD1) polyclonal Antibody, Unconjugated (TMAB-07971) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.
	2. Sample: placenta (Mouse) Lysate at 40 µg Primary: Anti-KDM1 (TMAB-07971) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 94 kD Observed band size: 94 kD
	3. Sample: Lane 1: Testis (Mouse) Lysate at 40 µg Lane 2: Uterus (Mouse) Lysate at 40 µg Lane 3: NIH/3T3 (Mouse) Cell Lysate at 30 µg Lane 4: Testis (Rat) Lysate at 40 µg Lane 5: HeLa (Human) Cell Lysate at 30 µg Lane 6: 293T (Human) Cell Lysate at 30 µg Lane 7: Jurkat (Human) Cell Lysate at 30 µg Primary: Anti-KDM1/LSD1 (TMAB-07971) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 120 kD Observed band size: 120 kD
Application:	WB,ICC/IF
Recommended	WB: 1:500-2000; ICC/IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human KDM1
Antigen Species: Human
Gene ID: 23028
Uniprot ID: O60341

Research Background

Gene activation and repression is specifically regulated by histone methylation status at distinct lysine residues. Lysine specific demethylase 1 (KDM1/LSD1) is a long-sought histone demethylase that specifically demethylates mono and di methyl histone H3 at K4 and K9. Thus KDM1 is a specific tag for epigenetic transcriptional activation, thereby acting as a corepressor.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481