Anti-KDM5A/ RBP2/ JARID1A antibody, mouse monoclonal (9A6)

Product code	71-175
Size	100 µg
Storage	-20℃
Concentration	1.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from hybridoma cell culture medium.
Immunogen	Synthetic peptide corresponding to human RBP2, amino acids 1416-1434.
Isotype	Mouse IgG2aκ
Reactivity	Human and mouse RBP2. Can detect endogenous levels of RBP2.
Special notes	N/A
Application	1. Western blotting (~1µg/ml)
Background	RBP2 (1,690 aa, 192 kDa) was originally identified as a retinoblastoma binding protein. It is also known as JARID1A (Jumonji, AT rich interactive domain 1A) and KDM5A (gene name). RBP2 plays both negative and positive roles in RB-mediated transcriptional activation, depending on the kinds of genes and regulates differentiation by its function as an H3K4 histone demethylase.
Data Link	UniProtKB/Swiss-Prot P29375 (KDM5A_HUMAN) UniProtKB/Swiss-Prot Q3UXZ9 (KDM5A_MOUSE)

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Data Images: 71-175 Anti-KDM5A/ RBP2/ JARID1A antibody, mouse monoclonal (9A6)

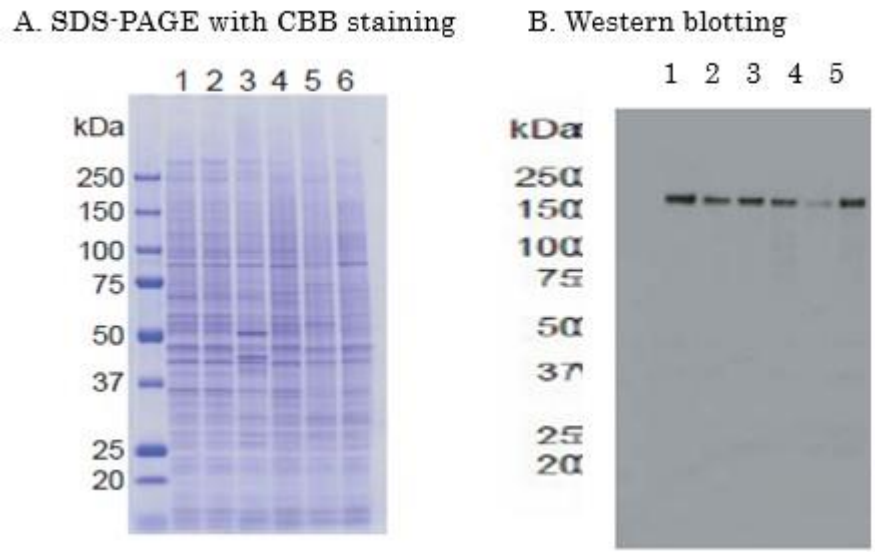

Fig.1 Western blot of RBP2 in crude cell extracts

Samples:

1. HeLa control siRNA
2. HeLa RBP2 siRNA
3. MCF7
4. U2OS
5. NIH3T3
6. J1 (mouse ES)

Reference : This antibody was used in the following publication

1. Nishibuchi G et al. Physical and functional interactions between the histone H3K4 demethylase KDM5A and the nucleosome remodeling and deacetylase (NuRD) complex. J Biol Chem. 2014 Oct 17;289(42):28956-70. PMID: 25190814

Related product

71-177 anti-RBP2/ JARID1A antibody, mouse monoclonal (18E8)

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