

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

71-175 100 µg

Shipping and Storage: Shipped at 4°C or -20°C and stored at -20°C.

Immunogen: A synthetic peptide corresponding to human RBP2, amino acids 1416-1434.

Form: 1mg/ml in PBS- with 50% glycerol, filter-sterilized

Purity: IgG fraction is purified from supernatant of the hybridoma cell culture in serum-free medium under mild conditions by proprietary chromatography.

Isotype: Mouse IgG2a κ

Reactivity: Human and mouse RBP2. Can detect endogenous levels of RBP2.

Applications

1. Western blotting (~1 µg /ml) Other applications were not tested.

Background: RBP2 (1,690 aa, 192 kDa) was originally identified as a retinoblastoma binding protein.

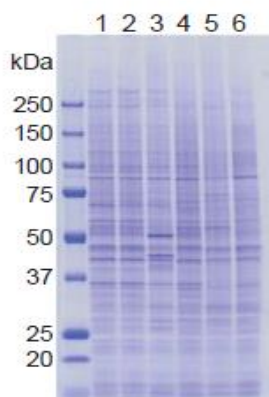
It is also known as JARID1A (Jumonji, AT rich interactive domain 1A) and KDM5A (gene name).

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)

A. SDS-PAGE with CBB staining



B. Western blotting

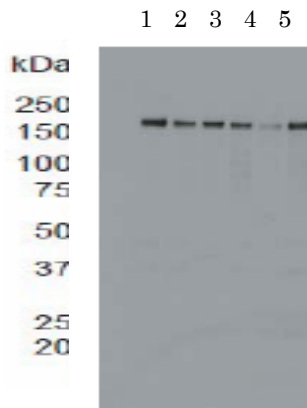


Figure Western blot of RBP2 in crude cell extracts

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)