

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

71-175 100 ug

**Storage:** Ship at 4°C or -20°C and stored at -20°C

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

### Applications

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

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

**Isotype:** Mouse IgG2a kappa

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

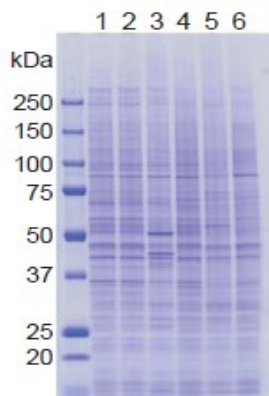
**Form:** 1mg/ml in PBS, 50% glycerol, filter-sterilized

**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.

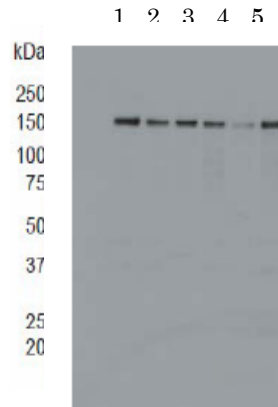
**Data Link** UniProtKB/Swiss-Prot [P29375](#) (KDM5A\_HUMAN)

UniProtKB/Swiss-Prot [Q3UXZ9](#) (KDM5A\_MOUSE)

A. SDS-PAGE with CBB staining



B. Western blotting



**Figure Western blot of 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)**