



Anti-RBP2/JARID1A

BACKGROUND

RBP2 was originally identified as a RB binding protein. It is also known as JARID1A (Jumonji, AT rich interactive domain 1A). 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 the H3K 4histone demethylase (1,2,3).

Product type	Primary antibodies
Host	Mouse
Source	Supernatant
Form	Liquid
	Purified monoclonal antibody (IgG) 1mg/ml in PBS, 50% glycerol, filter-sterilized
Volume	50ug
Concentration	1 mg/ml
Specificity	A synthetic peptide corresponding to human RBP2, amino acids 1416-1434.
Antigen	Specific to human and mouse RBP2. Can detect endogenous levels of RBP2
Clone	18E8
Isotype	Mouse IgG2a kappa

Application notes WB Other applications were not tested

Recommended use

Western Blotting: ~1ug/ml

Recommended dilutions

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern

Cross reactivity Not tested with other species.

Storage -20 °C (long period, -70°C)

References

- 1) Lopez-Bigas N et al. Genome-wide analysis of the H3K4 demethylase RBP2 reveals a transcriptional program controlling differentiation. *Mol Cell* 31: 520-30 (2008)
- 2) Klose RJ et al. The retinoblastoma binding protein BRP2 is an H3K4 demethylase. *Cell* 128: 889-900 (2007)
- 3) Christensen J. et al. RBP2 belongs to a family of demethylases, specific tri- and dimethylated lysine 4 on histone 3. *Cell* 128:1063-76 (2007)

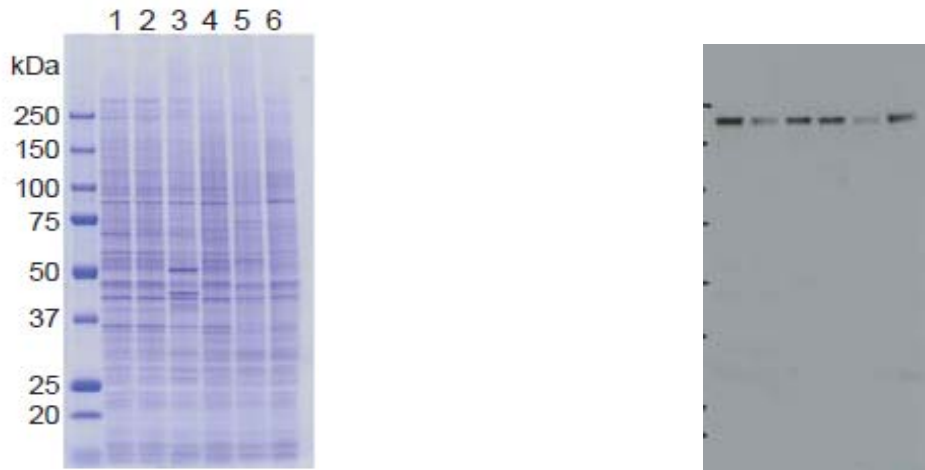


Figure. Identification of RBP2 in crude cell extracts by western blotting with antibody 9A6.

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

A. SDS-PAGE with CBB staining B. Western blotting (detection:ECL)

Related products:

BAM-71-175 anti-RBP2/ JARID1A antibody, mouse monoclonal (18E8)

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