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Datasheet for ABIN3201015  
**anti-KDM5A antibody (AA 1416-1434)**

6 Images

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### Overview

Quantity:	100 µg
Target:	KDM5A
Binding Specificity:	AA 1416-1434
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KDM5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)

### Product Details

Immunogen:	A synthetic peptide corresponding to human RBP2, aa 1416-1434.
Clone:	18E8
Isotype:	IgG2a kappa
Specificity:	Specific to human and mouse RBP2. Can detect endogenous levels of RBP2.
Purification:	Purified
Sterility:	Sterile filtered

### Target Details

Target:	KDM5A
Alternative Name:	KDM5A ( <a href="#">KDM5A Products</a> )

## Target Details

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**Background:** RBP2 was originally identified as a retinoblastoma 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 an H3K4 histone demethylase.

**UniProt:** [P29375](#)

**Pathways:** [Chromatin Binding](#), [Warburg Effect](#)

## Application Details

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**Application Notes:**

1. Western blotting: ~1 g/mL
2. Immunofluorescence staining
3. Flow Cytometry: 1 g for 10<sup>6</sup> cells

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** PBS, 50 % glycerol

**Preservative:** Azide free

**Storage:** -20 °C

## Publications

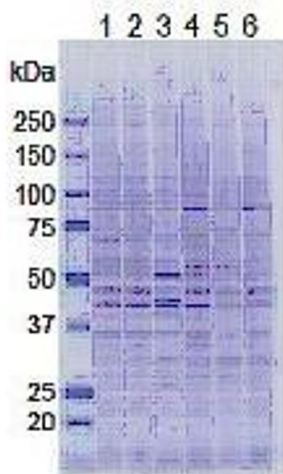
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**Product cited in:** Lopez-Bigas, Kisiel, Dewaal, Holmes, Volkert, Gupta, Love, Murray, Young, Benevolenskaya: "Genome-wide analysis of the H3K4 histone demethylase RBP2 reveals a transcriptional program controlling differentiation." in: **Molecular cell**, Vol. 31, Issue 4, pp. 520-30, (2008) ([PubMed](#)).

Christensen, Agger, Cloos, Pasini, Rose, Sennels, Rappsilber, Hansen, Salcini, Helin: "RBP2 belongs to a family of demethylases, specific for tri-and dimethylated lysine 4 on histone 3." in: **Cell**, Vol. 128, Issue 6, pp. 1063-76, (2007) ([PubMed](#)).

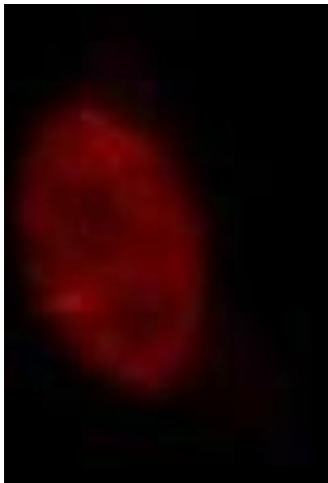
Klose, Yan, Tothova, Yamane, Erdjument-Bromage, Tempst, Gilliland, Zhang, Kaelin: "The retinoblastoma binding protein RBP2 is an H3K4 demethylase." in: **Cell**, Vol. 128, Issue 5, pp.

Images



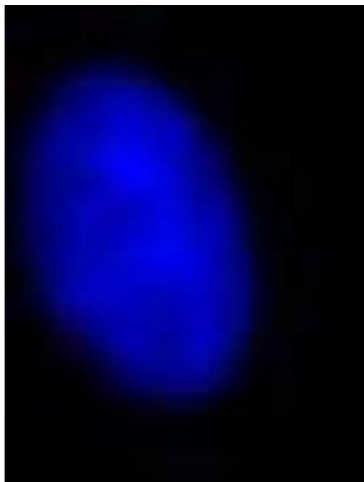
**SDS-PAGE**

Image 1.



**Immunofluorescence**

Image 2.



**Immunofluorescence**

Image 3.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3201015.