10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

JARID1A Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant JARID1A.
Catalog # AT2580a

Product Information

Application	WB, E
Primary Accession	P29375
Other Accession	NM_005056
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1H2
Calculated MW	192095

Additional Information

Gene ID	5927
Other Names	Lysine-specific demethylase 5A, 11411-, Histone demethylase JARID1A, Jumonji/ARID domain-containing protein 1A, Retinoblastoma-binding protein 2, RBBP-2, KDM5A, JARID1A, RBBP2, RBP2
Target/Specificity	JARID1A (NP_005047, 191 a.a. ~ 290 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	JARID1A Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

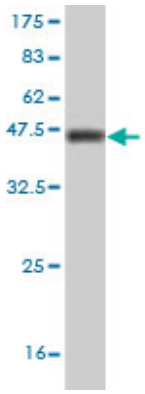
Background

The protein encoded by this gene is a ubiquitously expressed nuclear protein. It binds directly, with several other proteins, to retinoblastoma protein which regulates cell proliferation. This protein also interacts with rhombotin-2 which functions distinctly in erythropoiesis and in T-cell leukemogenesis. Rhombotin-2 is thought to either directly affect the activity of the encoded protein or may indirectly modulate the functions of the retinoblastoma protein by binding to this protein.

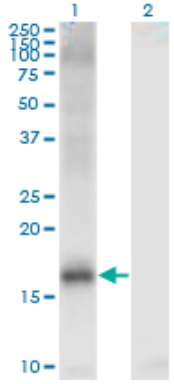
References

Chromatin remodeling: recruitment of histone demethylase RBP2 by Mad1 for transcriptional repression of a Myc target gene, telomerase reverse transcriptase. Ge Z, et al. FASEB J, 2010 Feb. PMID 19762557. Haematopoietic malignancies caused by dysregulation of a chromatin-binding PHD finger. Wang GG, et al. Nature, 2009 Jun 11. PMID 19430464. Genome-wide analysis of the H3K4 histone demethylase RBP2 reveals a transcriptional program controlling differentiation. Lopez-Bigas N, et al. Mol Cell, 2008 Aug 22. PMID 18722178. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. RBP2 is an MRG15 complex component and down-regulates intragenic histone H3 lysine 4 methylation. Hayakawa T, et al. Genes Cells, 2007 Jun. PMID 17573780.

Images

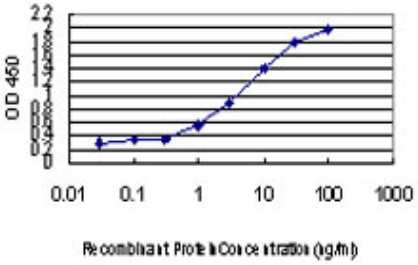


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of JARID1A expression in transfected 293T cell line by JARID1A monoclonal antibody (M03), clone 1H2.

Lane 1: JARID1A transfected lysate (Predicted MW: 11.11 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged JARID1A is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.