

JARID1A Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a partial recombinant JARID1A.****Catalog # AT2580a****Specification**

JARID1A Antibody (monoclonal) (M03) - Product Information

Application	WB, E
Primary Accession	P29375
Other Accession	NM_005056
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	192095

JARID1A Antibody (monoclonal) (M03) - 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

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.

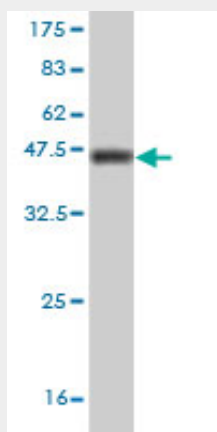
JARID1A Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

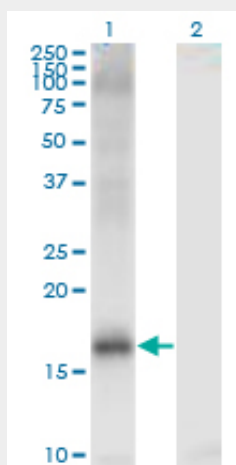
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JARID1A Antibody (monoclonal) (M03) - Images



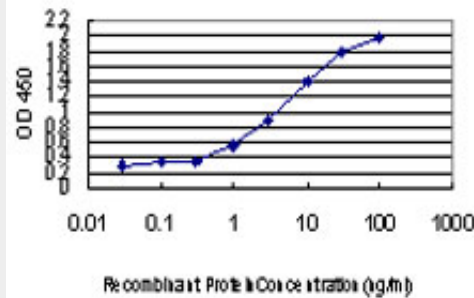
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



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.

JARID1A Antibody (monoclonal) (M03) - 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.

JARID1A Antibody (monoclonal) (M03) - 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.