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JARID1B Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant KDM5B.
Catalog # AT2581a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q9UGL1
Other Accession	NM_006618
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1G10
Calculated MW	175658

Additional Information

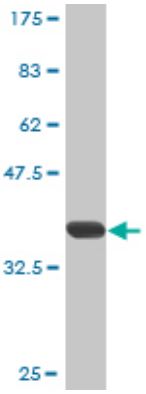
Gene ID	10765
Other Names	Lysine-specific demethylase 5B, 11411-, Cancer/testis antigen 31, CT31, Histone demethylase JARID1B, Jumonji/ARID domain-containing protein 1B, PLU-1, Retinoblastoma-binding protein 2 homolog 1, RBP2-H1, KDM5B, JARID1B, PLU1, RBBP2H1
Target/Specificity	KDM5B (NP_006609, 231 a.a. ~ 319 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 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	JARID1B Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

References

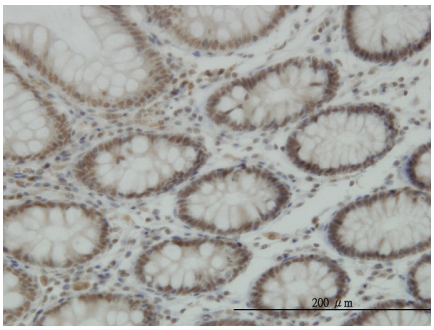
1.Jumonji/ARID1 B (JARID1B) Protein Promotes Breast Tumor Cell Cycle Progression through Epigenetic Repression of MicroRNA let-7e.Mitra D, Das PM, Huynh FC, Jones FE.J Biol Chem. 2011 Nov 25;286(47):40531-5. Epub 2011 Oct 3.2.Overexpression of the JmjC histone demethylase KDM5B in human carcinogenesis: involvement in the proliferation of cancer cells through the E2F/RB pathway.Hayami S, Yoshimatsu M, Veerakumarasivam A, Unoki M, Iwai Y, Tsunoda T, Field HI, Kelly JD, Neal DE, Yamaue H, Ponder BA, Nakamura Y, Hamamoto R.Mol Cancer. 2010 Mar 13;9:59.3.JARID1B is a histone H3 lysine 4 demethylase up-regulated in prostate cancer.Xiang Y, Zhu Z, Han G, Ye X, Xu B, Peng Z, Ma Y, Yu Y, Lin H,

Chen AP, Chen CD.Proc Natl Acad Sci U S A. 2007 Dec 4;104(49):19226-31. Epub 2007 Nov 28.

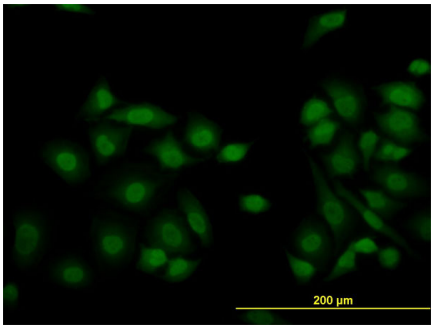
Images



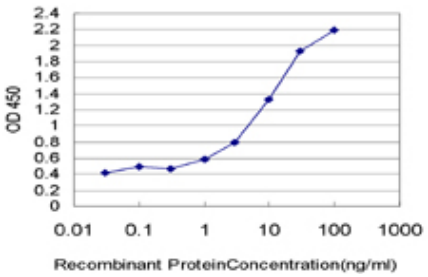
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.53 KDa) .



Immunoperoxidase of monoclonal antibody to KDM5B on formalin-fixed paraffin-embedded human colon. [antibody concentration 1 ug/ml]



Immunofluorescence of monoclonal antibody to KDM5B on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged KDM5B is approximately 0.03ng/ml as a capture antibody.

Citations

- JARID1B protein expression and prognostic implications in uveal melanoma.
- PLU-1/JARID1B overexpression predicts proliferation properties in head and neck squamous cell carcinoma.

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