ANGIO-PROTEOMIE
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DATA SHEET

Mouse Monoclonal Antibody to KDM3A

Cataloge Number	sAP-0485
Target Molecule	**Name: KDM3A** **Aliases:** TSGA; JMJD1; JHDM2A; JHMD2A; JMJD1A; KIAA0742; DKFZp686A24246; DKFZp686P07111; KDM3A **MW: 147kDa**
Descrption	This gene encodes a zinc finger protein that contains a jumonji domain and may play a role in hormone-dependent transcriptional activation. JMJD1A functions as a mono- and dimethylation-specific demethylase, binding iron and 苆-ketoglutarate as cofactors and demethylating Lysine 9 of Histone H3. This suggests that JMJD1A plays a central role in the histone code and participates in nuclear hormone receptor-based transcriptional regulation. In addition, JMJD1A plays an important role in the regulation of cell growth during development and in chromatin regulation. JMJD1A directly regulates the expression of TNP1 and Protamine 1 (proteins required for the proper packaging and condensation of sperm chromatin) and, there-
Immunogen	Purified recombinant fragment of human KDM3A expressed in E. Coli.
Recitative Species	Human
Clone	MM1E12;
Size and Concentration	100μg/1mg/ml
Supplied as	Lyophilized Powder from 100μl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstitued with 100μl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. DNA Res. 1998 Oct 30;5(5):277-86. ; 2. Proc Natl Acad Sci U S A. 2004 Aug 17;101(33):12130-5. ; 3. Nature. 2005 Apr 7;434(7034):724-31.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

Angio-Proteomie | 11 Park Drive, Suite 12 Boston, MA 02215, USA | Tel: 001-617-549-2665 | Fax: 001-480-247-4337 | Email: angioproteomie@gmail.com