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

Phospho-JMJD1B(S291) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3741a

Product Information

Application	DB, E
Primary Accession	Q7LBC6
Other Accession	NP_057688.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22220
Calculated MW	191581

Additional Information

Gene ID	51780
Other Names	Lysine-specific demethylase 3B, 11411-, JmjC domain-containing histone demethylation protein 2B, Jumonji domain-containing protein 1B, Nuclear protein 5qNCA, KDM3B, C5orf7, JHDM2B, JMJD1B, KIAA1082
Target/Specificity	This JMJD1B Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S291 of human JMJD1B.
Dilution	DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-JMJD1B(S291) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

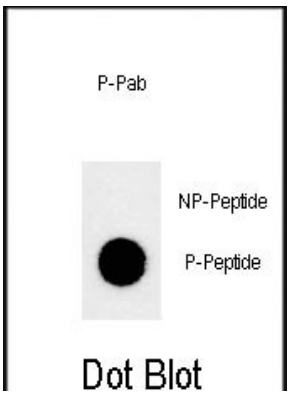
Name	KDM3B
Synonyms	C5orf7, JHDM2B, JMJD1B, KIAA1082
Function	Histone demethylase that specifically demethylates 'Lys-9' of histone H3,

	thereby playing a central role in histone code. Demethylation of Lys residue generates formaldehyde and succinate. May have tumor suppressor activity.
Cellular Location	Nucleus.
Tissue Location	Ubiquitous. Highly expressed in placenta, skeletal muscle, kidney, heart and liver.

References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Yamane, K., et al. Cell 125(3):483-495(2006)
Andersen, J.S., et al. Nature 433(7021):77-83(2005)

Images



Dot blot analysis of anti-Phospho-JMJD1B-pS291 Phospho-specific Pab (Cat. #AP3741a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.