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Phospho-JMJD2B(S566) Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3754a

Specification

Phospho-JMJD2B(S566) Antibody - Product Information

Application	**DB,E**
Primary Accession	O94953
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**121897**

Phospho-JMJD2B(S566) Antibody - Additional Information

Gene ID 23030

Other Names
Lysine-specific demethylase 4B, 11411-, JmjC domain-containing histone demethylation protein 3B, Jumonji domain-containing protein 2B, KDM4B, JHDM3B, JMJD2B, KIAA0876

Target/Specificity
This JMJD2B Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S566 of human JMJD2B.

Dilution
DB~~1:500

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-JMJD2B(S566) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho-JMJD2B(S566) Antibody - Protein Information

Name KDM4B

Synonyms JHDM3B, JMJD2B, KIAA0876

Function Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby

playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys- 20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate (PubMed:16603238, PubMed:28262558). Plays a critical role in the development of the central nervous system (CNS).

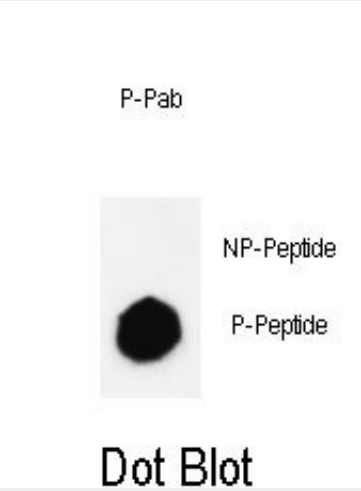
Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00537, ECO:0000269|PubMed:15927959}

Phospho-JMJD2B(S566) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Phospho-JMJD2B(S566) Antibody - Images



Dot blot analysis of anti-Phospho-JMJD2B-S566 Phospho-specific Pab (Cat. #AP3754a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

Phospho-JMJD2B(S566) Antibody - Background

Histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. Only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate.

Phospho-JMJD2B(S566) Antibody - References

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