

Phospho-JMJD2B(S622) Antibody Blocking peptide
Synthetic peptide
Catalog # BP3723a**Specification**

Phospho-JMJD2B(S622) Antibody Blocking peptide - Product InformationPrimary Accession [O94953](#)**Phospho-JMJD2B(S622) Antibody Blocking peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-JMJD2B(S622) Antibody Blocking peptide - 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(S622) Antibody Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Phospho-JMJD2B(S622) Antibody Blocking peptide - Images

Phospho-JMJD2B(S622) Antibody Blocking peptide - Background

JMJD2B is histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. This protein does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. It is only able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. It is demethylation of Lys residue generates formaldehyde and succinate.

Phospho-JMJD2B(S622) Antibody Blocking peptide - References

Beyer, S., et al. J. Biol. Chem. 283(52):36542-36552(2008)Pollard, P.J., et al. Biochem. J. 416(3):387-394(2008)Katoh, Y., et al. Int. J. Mol. Med. 20(2):269-273(2007)