

KDM4B Polyclonal antibody

Catalog Number: 20038-1-AP

Basic Information

Catalog Number:

20038-1-AP

Size:

N/A

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015015

GeneID (NCBI):

23030

UNIPROT ID:

O94953

Full Name:

lysine (K)-specific demethylase 4B

Calculated MW:

122 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human

Background Information

KDM4B, also named as JHDM3B, JMJD2B and KIAA0876, belongs to the JHDM3 histone demethylase family. KDM4B is a histone demethylase that specifically demethylates 'Lys-9' of histone H3, thereby playing a role in histone code. It does not demethylate histone H3 'Lys-4', H3 'Lys-27', H3 'Lys-36' nor H4 'Lys-20'. KDM4B is able to demethylate trimethylated H3 'Lys-9', with a weaker activity than KDM4A, KDM4C and KDM4D. Demethylation of Lys residue generates formaldehyde and succinate. The antibody recognizes near the C-term of KDM4B and has no cross reaction to KDM4A.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

