10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

KDM6B Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17413a

Specification

KDM6B Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O15054
Other Accession	Q5NCY0
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Antigen Region	**167-195**

KDM6B Antibody (N-term) - Additional Information

Gene ID 23135

Other Names
Lysine-specific demethylase 6B, 11411-, JmjC domain-containing protein 3, Jumonji domain-containing protein 3, Lysine demethylase 6B, KDM6B, JMJD3, KIAA0346

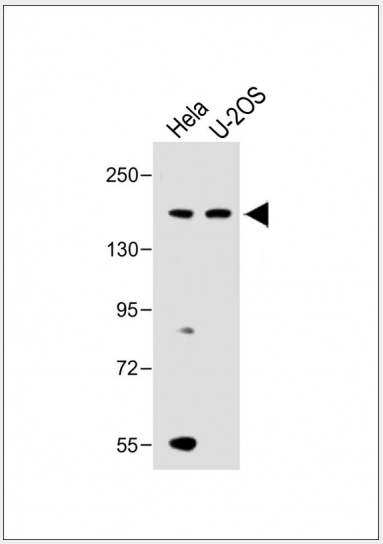
Target/Specificity
This KDM6B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 167-195 amino acids from the N-terminal region of human KDM6B.

Dilution
WB~~1:1000

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
KDM6B Antibody (N-term) is for research



All lanes : Anti-KDM6B Antibody (N-term) at 1:1000 dilution Lane 1: Hela whole cell lysate Lane 2: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 177 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

KDM6B Antibody (N-term) - Background

Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code. Demethylates trimethylated and dimethylated H3 'Lys-27'. Plays a central role in regulation of posterior development, by regulating HOX gene expression. Involved in inflammatory response by participating in macrophage differentiation in case of inflammation by regulating gene expression and macrophage differentiation.

use only and not for use in diagnostic or therapeutic procedures.

KDM6B Antibody (N-term) - Protein Information

Name KDM6B

Synonyms JMJD3, KIAA0346

Function
Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17825402, PubMed:17851529, PubMed:17713478, PubMed:18003914). Demethylates trimethylated and dimethylated H3 'Lys-27' (PubMed:17825402, PubMed:17851529, PubMed:17713478, PubMed:18003914). Plays a central role in regulation of posterior development, by regulating HOX gene expression (PubMed:17851529). Involved in inflammatory response by participating in macrophage differentiation in case of inflammation by regulating gene expression and macrophage differentiation (PubMed:17825402). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression by acting as a link between T-box factors and the SMARCA4- containing SWI/SNF remodeling complex (By similarity).

Cellular Location
Nucleus.

KDM6B Antibody (N-term) - 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

KDM6B Antibody (N-term) - Citations

- Regulation of the JMJD3 (KDM6B) histone demethylase in glioblastoma stem cells by STAT3.