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KDM6A Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21261c

Specification

KDM6A Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O15550
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**154177**

KDM6A Antibody (Center) - Additional Information

Gene ID 7403

Other Names
Lysine-specific demethylase 6A, 11411-, Histone demethylase UTX, Ubiquitously-transcribed TPR protein on the X chromosome, Ubiquitously-transcribed X chromosome tetratricopeptide repeat protein, KDM6A, UTX

Target/Specificity
This KDM6A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 797-832 amino acids from the Central region of human KDM6A.

Dilution
WB~~1:2000

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
KDM6A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

KDM6A Antibody (Center) - Protein Information

Name KDM6A

Synonyms UTX

Function Histone demethylase that specifically demethylates 'Lys-27' of histone H3, thereby playing a central role in histone code (PubMed:17851529, PubMed:17713478, PubMed:17761849). Demethylates trimethylated and dimethylated but not monomethylated H3 'Lys-27' (PubMed:17851529, PubMed:17713478, PubMed:17761849). Plays a central role in regulation of posterior development, by regulating HOX gene expression (PubMed:17851529). Demethylation of 'Lys-27' of histone H3 is concomitant with methylation of 'Lys-4' of histone H3, and regulates the recruitment of the PRC1 complex and monoubiquitination of histone H2A (PubMed:17761849). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression (By similarity).

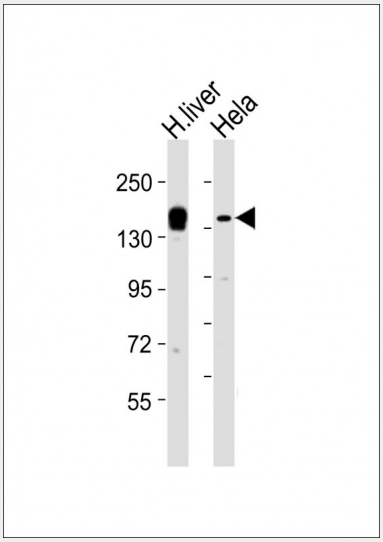
Cellular Location
Nucleus.

KDM6A Antibody (Center) - 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

KDM6A Antibody (Center) - Images



All lanes : Anti-KDM6A Antibody (Center) at 1:2000 dilution Lane 1: human liver lysates Lane 2: Hela whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 154 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

KDM6A Antibody (Center) - Background

Histone demethylase that specifically demethylates 'Lys- 27' of histone H3, thereby playing a central role in histone code. Demethylates trimethylated and dimethylated but not

monomethylated H3 'Lys-27'. Plays a central role in regulation of posterior development, by regulating HOX gene expression. Demethylation of 'Lys-27' of histone H3 is concomitant with methylation of 'Lys-4' of histone H3, and regulates the recruitment of the PRC1 complex and monoubiquitination of histone H2A.

KDM6A Antibody (Center) - References

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Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Cho Y.-W.,et al.J. Biol. Chem. 282:20395-20406(2007).
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