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Mouse Kdm6a Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21225b

Product Information

Application	WB, E
Primary Accession	O70546
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52352
Calculated MW	154355

Additional Information

Gene ID	22289
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 mouse Kdm6a antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1041-1074 amino acids from the C-terminal region of mouse Kdm6a.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
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	Mouse Kdm6a Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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. 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 (By similarity). Plays a demethylase-independent role in chromatin remodeling to regulate T-box family member-dependent gene expression (PubMed:21095589).

Cellular Location Nucleus.

Tissue Location Expressed in brain, heart and spleen.

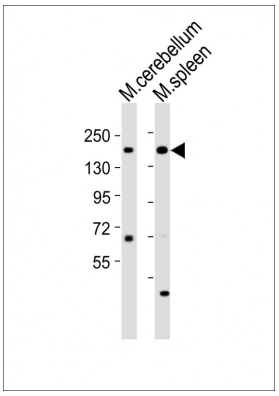
Background

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 (By similarity).

References

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Grbavec D.,et al.Biochem. J. 337:13-17(1999).
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Images



All lanes : Anti-Kdm6a Antibody (C-term) at 1:2000 dilution Lane 1: mouse cerebellum lysates Lane 2: mouse spleen 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.