

Mouse Kdm6a Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21225b

Product Information

Application	WB, E
Primary Accession	O70546
Reactivity	Human, Mouse
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.

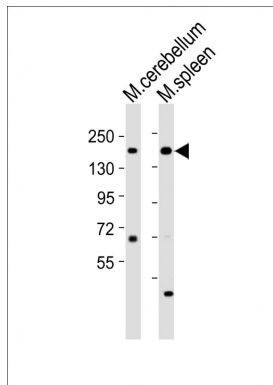
Background

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

Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Greenfield A.,et al.Hum. Mol. Genet. 7:737-742(1998).
Grbavec D.,et al.Biochem. J. 337:13-17(1999).
Ballif B.A.,et al.Mol. Cell. Proteomics 3:1093-1101(2004).
Wang A.H.,et al.EMBO J. 32:1075-1086(2013).

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'.