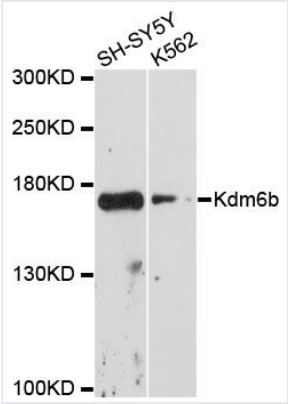
KDM6B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Kdm6b, Polyclonal Antibody
Full Product Name	Kdm6b Polyclonal Antibody
Product Gene Name	anti-Kdm6b antibody
Product Synonym Names	1700064E03Rik; BC038313; Jmjd3; mKIAA0346
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	177kDa
3D Structure	ModBase 3D Structure for Q5NCY0
Immunogen	Recombinant protein of mouse Kdm6b
Product Categories/Family for anti-Kdm6b antibody	Primary antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-Kdm6b antibody	Western Blot (WB)
Application Notes for anti-Kdm6b antibody	WB: 1:500 - 1:2000
Related Product Information for anti-Kdm6b antibody	MBS9132594 is an antibody targeting Kdm6b. Also known as Kdm6b Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-Kdm6b antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-Kdm6b antibody
Western blot analysis of extracts of various cell lines, using Kdm6b antibody at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Enhanced Kit.Exposure time: 90s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Kdm6b. It may not necessarily be applicable to this product.

NCBI GI #	81862258
NCBI GeneID	216850
NCBI Accession #	Q5NCY0.1
UniProt Primary Accession #	Q5NCY0
UniProt Secondary Accession #	Q3UWY9; Q4VC26; Q6ZQD3
UniProt Related Accession #	Q5NCY0
NCBI Official Full Name	Lysine-specific demethylase 6B
NCBI Official Synonym Full Names	KDM1 lysine (K)-specific demethylase 6B
NCBI Official Symbol	Kdm6b
NCBI Official Synonym Symbols	Jmjd3; BC038313; mKIAA0346; 1700064E03Rik
UniProt Protein Name	Lysine-specific demethylase 6B
UniProt Synonym Protein Names	JmjC domain-containing protein 3; Jumonji domain-containing protein 3
Protein Family	Lysine-specific demethylase
UniProt Gene Name	Kdm6b
UniProt Synonym Gene Names	Jmjd3; Kiaa0346
NCBI Protein Information	lysine-specific demethylase 6B

UniProt Comments for Kdm6b	JMJD3: 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. Interacts with TLE1. Component of the MLL4 complex, at least composed of MLL4, ASH2L, RBBP5, WDR5, and KDM6B. By 12-O-tetradecanoylphorbol-13-acetate (TPA) in myeloid leukemia cells. Belongs to the UTX family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 1.14.11.-; Oxidoreductase Chromosomal Location of Human Ortholog: 11|11 B3 Cellular Component: nucleus Molecular Function: beta-catenin binding; chromatin binding; sequence-specific DNA binding Biological Process: cardiac muscle cell differentiation; cell fate commitment; endothelial cell differentiation; hippocampus development; histone demethylation; mesodermal cell differentiation; positive regulation of transcription from RNA polymerase II promoter; regulation of gene expression
Research Articles on Kdm6b	**1.** nuc-ErbB3 directly regulates levels of H3K27me3 in Schwann cells
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