



Datasheet for ABIN762986
anti-KDM5B antibody (AA 65-165)



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3 Images

Overview

Quantity:	100 µL
Target:	KDM5B
Binding Specificity:	AA 65-165
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM5B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KDM5B/Jarid1B
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig,Horse,Chicken,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	KDM5B
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Target Details

Alternative Name: [Kdm5b \(KDM5B Products\)](#)

Background: Synonyms: CT31, PLU1, PUT1, PLU-1, JARID1B, PPP1R98, RBBP2H1A, Lysine-specific demethylase 5B, Cancer/testis antigen 31, Histone demethylase JARID1B, Jumonji/ARID domain-containing protein 1B, Retinoblastoma-binding protein 2 homolog 1, RBP2-H1, KDM5B, RBBP2H1

Background: Histone demethylase that demethylates 'Lys-4' of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-9' or H3 'Lys-27'. Demethylates trimethylated, dimethylated and monomethylated H3 'Lys-4'. Acts as a transcriptional corepressor for FOXG1B and PAX9. Favors the proliferation of breast cancer cells by repressing tumor suppressor genes such as BRCA1 and HOXA5. In contrast, may act as a tumor suppressor for melanoma. Represses the CLOCK-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock component PER2 (By similarity).

Gene ID: 10765

UniProt: [Q9UGL1](#)

Pathways: [Warburg Effect](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
FCM 1:20-100
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

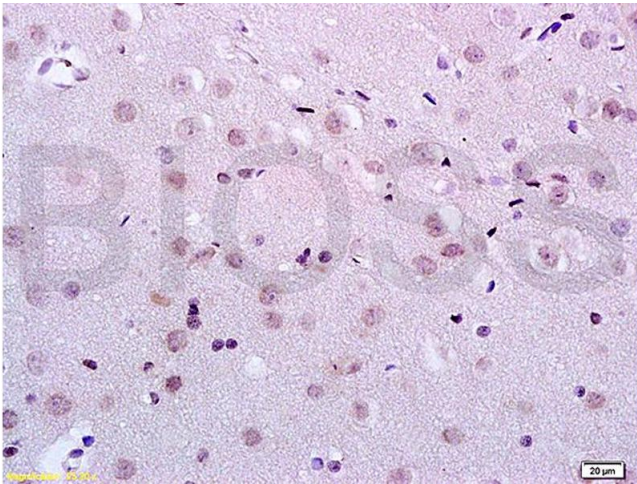
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

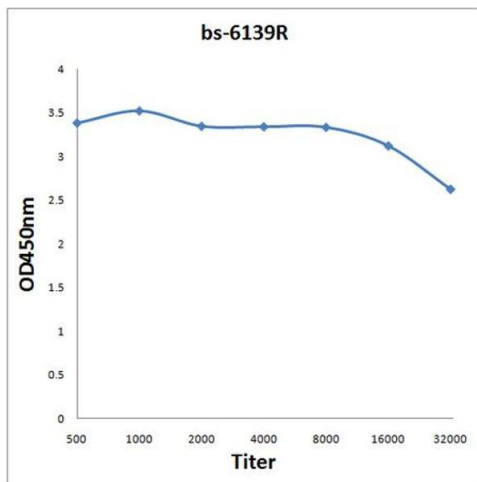
Expiry Date: 12 months

Images



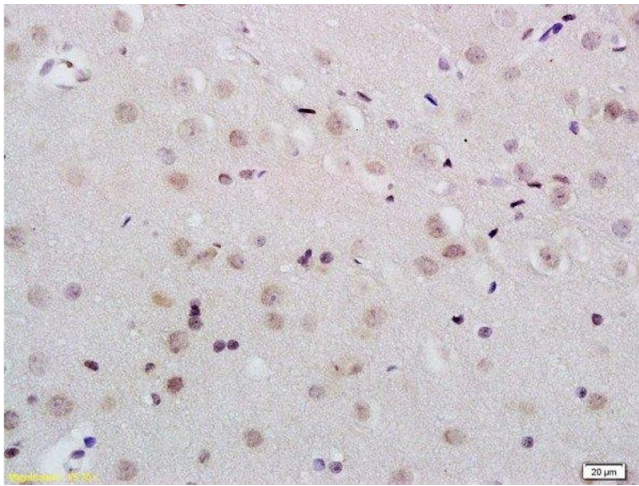
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-KDM5B/PLU1/Jarid1B Polyclonal Antibody, Unconjugated (ABIN762986) at 1:200 followed by conjugation to the secondary antibody and DAB staining



ELISA

Image 2. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in Microplate Reader by 450nm



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-KDM5B/PLU1/Jarid1B Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining