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Datasheet for ABIN762995  
**anti-KDM5B antibody (AA 65-165) (HRP)**

### Overview

Quantity:	100 µL
Target:	KDM5B
Binding Specificity:	AA 65-165
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KDM5B antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, 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
Alternative Name:	KDM5B ( <a href="#">KDM5B Products</a> )

## Target Details

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**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

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**Application Notes:** WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

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

**Handling Advice:** Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

## Handling

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months