



## KDM4D Polyclonal Antibody

Cat #: ABP59028

Size: 30µl /100µl /200µl

### Product Information

	<b>Product Name:</b> KDM4D Polyclonal Antibody		
	<b>Applications:</b> WB, ELISA		<b>Isotype:</b> Rabbit IgG
	<b>Reactivity:</b> Human		
<b>REF</b>	<b>Catalog Number:</b> ABP59028	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** KDM4D (Lysine Demethylase 4D) is a Protein Coding gene. Among its related pathways are Chromatin organization and Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes KLK2 and KLK3. GO annotations related to this gene include dioxygenase activity and histone demethylase activity (H3-K9 specific). An important paralog of this gene is KDM4F. Histone demethylase that specifically demethylates Lys-9 of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 Lys-4, H3 Lys-27, H3 Lys-36 nor H4 Lys-20. Demethylates both di- and trimethylated H3 Lys-9 residue, while it has no activity on monomethylated residues. Demethylation of Lys residue generates formaldehyde and succinate.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), ELISA (1:5000-1:20000).

**Storage Buffer:** PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

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