

**bs-12198R****[ Primary Antibody ]****KDM4B Rabbit pAb**

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> (predicted: Human, Mouse, Rat, Cow, Dog)  <b>Predicted MW.:</b> 122 kDa  <b>Subcellular Location:</b> Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 23030	<b>SWISS:</b> Q94953	
<b>Target:</b> KDM4B		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human KDM4B: 51-150/1096.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Enables histone H3-methyl-lysine-36 demethylase activity and histone H3-methyl-lysine-9 demethylase activity. Involved in histone H3-K36 demethylation and histone H3-K9 demethylation. Located in cytosol and nucleoplasm. Implicated in autosomal dominant non-syndromic intellectual disability; breast cancer; colorectal cancer; malignant peripheral nerve sheath tumor; and stomach cancer. Biomarker of several diseases, including alopecia areata; lung cancer; medulloblastoma; prostate cancer; and stomach cancer. [provided by Alliance of Genome Resources, Apr 2022]		

**— SELECTED CITATIONS —**

- **[IF=2.74]** Xianrong Xiong. et al. Effects of demethylase KDM4B on the biological characteristics and function of yak cumulus cells in vitro. Theriogenology. 2021 Oct;174:85 IF ;Bovine. 34425304