

**bs-12200R****[ Primary Antibody ]****phospho-KDM4B (Thr305) Rabbit pAb****BioSS**  
**ANTIBODIES**

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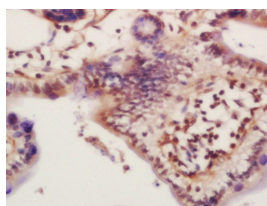
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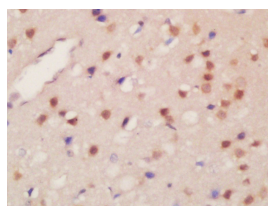
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 23030 <b>Target:</b> KDM4B (Thr305) <b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human JMJD2B around the phosphorylation site of Thr305: VA(p-T)QC. <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]	<b>Isotype:</b> IgG  <b>SWISS:</b> Q94953	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)  <b>Reactivity:</b> Mouse, Rat (predicted: Human, Sheep, Cow, Dog)  <b>Predicted MW.:</b> 122 kDa  <b>Subcellular Location:</b> Nucleus
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**— VALIDATION IMAGES —**

Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-phospho-JMJD2B(Thr305) Polyclonal Antibody, Unconjugated(bs-12200R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-phospho-JMJD2B(Thr305) Polyclonal Antibody, Unconjugated(bs-12200R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining