

bs-13686R**[Primary Antibody]****KAT5 / Tip60 Rabbit pAb****Bioss**
ANTIBODIES

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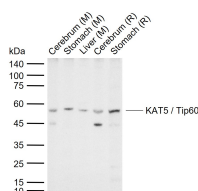
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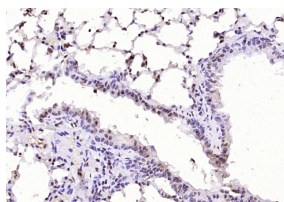
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— DATASHEET —

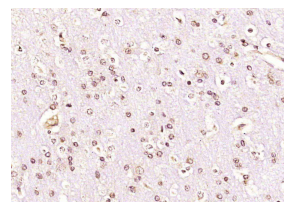
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|--|----------------------|---|
| Host: Rabbit | Isotype: IgG | Applications: WB (1:500-2000) |
| Clonality: Polyclonal | | IHC-P (1:100-500) |
| GeneID: 10524 | SWISS: Q92993 | IHC-F (1:100-500) |
| Target: KAT5 / Tip60 | | IF (1:100-500) |
| Immunogen: KLH conjugated synthetic peptide derived from human KAT5 / Tip60: 51-150/513. | | Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Dog, Horse) |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | Predicted MW.: 59 kDa |
| Storage: 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. | | Subcellular Location: Cytoplasm ,Nucleus |
| Background: The protein encoded by this gene belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein. HATs play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. This protein is a histone acetylase that has a role in DNA repair and apoptosis and is thought to play an important role in signal transduction. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008] | | |

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Stomach tissue lysates Lane 3:
Mouse Liver tissue lysates Lane 4: Rat Cerebrum
tissue lysates Lane 5: Rat Stomach tissue lysates
Primary: Anti-KAT5 / Tip60 (bs-13686R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 59 kDa Observed band size: 59 kDa



Paraformaldehyde-fixed, paraffin embedded
(mouse lung tissue); Antigen retrieval by boiling
in sodium citrate buffer (pH6.0) for 15min; Block
endogenous peroxidase by 3% hydrogen
peroxide for 20 minutes; Blocking buffer (normal
goat serum) at 37°C for 30min; Antibody
incubation with (KAT5) Polyclonal Antibody,
Unconjugated (bs-13686R) at 1:200 overnight at
4°C, followed by operating according to SP
Kit(Rabbit) (sp-0023) instructionsand DAB
staining.



Paraformaldehyde-fixed, paraffin embedded (rat
brain tissue); Antigen retrieval by boiling in
sodium citrate buffer (pH6.0) for 15min; Block
endogenous peroxidase by 3% hydrogen
peroxide for 20 minutes; Blocking buffer (normal
goat serum) at 37°C for 30min; Antibody
incubation with (KAT5) Polyclonal Antibody,
Unconjugated (bs-13686R) at 1:200 overnight at
4°C, followed by operating according to SP
Kit(Rabbit) (sp-0023) instructionsand DAB
staining.

— SELECTED CITATIONS —

- **[IF=18.699]** Yuan, Lin, et al. "Deubiquitylase OTUD3 regulates PTEN stability and suppresses tumorigenesis." Nature Cell Biology (2015). IHC ;="Mouse". 26280536
- **[IF=5.9]** Liu Can. et al. STUB1 is acetylated by KAT5 and alleviates myocardial ischemia-reperfusion injury through LATS2-YAP-β-catenin axis. COMMUN BIOL. 2024 Apr;7(1):1-14 WB,IHC ;Mouse,Human. 38561411
- **[IF=4.556]** Wu W et al. Tip60 Phosphorylation at Ser 99 Is Essential for Autophagy Induction in Bombyx mori. Int. J. Mol. Sci. 2020, 21, 6893. WB,IF ;human. 32962211

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=4.556]** Wenmei Wu. et al. Tip60 Phosphorylation at Ser 99 Is Essential for Autophagy Induction in Bombyx mori. Int J Mol Sci. 2020 Jan;21(18):6893 WB,IP ;B. mori larvae. 32962211
- **[IF=5.418]** Hye Young Ryu. et al. GSK3B induces autophagy by phosphorylating ULK1. Exp Mol Med. 2021 Mar;;1-15 WB ;Rat. 33654220