bs-13686R

[Primary Antibody]

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

KAT5 / Tip60 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 10524 **SWISS:** Q92993

Target: KAT5 / Tip60

Immunogen: KLH conjugated synthetic peptide derived from human KAT5 /

Tip60: 51-150/513.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

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]

Applications: WB (1:500-2000)

IHC-P (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Mouse, Rat

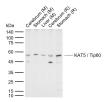
(predicted: Human, Rabbit, Pig, Sheep, Dog, Horse)

Predicted 59 kDa

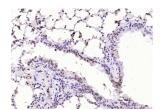
MW.:

Subcellular Location: Cytoplasm ,Nucleus

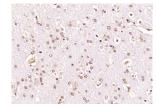
VALIDATION IMAGES -



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) instructions and 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) instructions and 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

 [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 WE;Rat. 33654220
,