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KAT2B Recombinant Rabbit mAb

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Catalog # AP94204

Product Information

Application	WB
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG/Kappa
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Belongs to the GCN5 family.Contains 1 bromo domain.Contains 1 N-acetyltransferase domain.
SUBUNIT	Interacts with SIRT1. Interacts (unsumoylated form) with NR2C1; the interaction promotes transactivation activity (By similarity). Interacts with EP300, CREBBP and DDX17. Interacts with NCOA1 and NCOA3. Component of a large chromatin remodeling complex, at least composed of MYSM1, KAT2B/PCAF, RBM10 and KIF11/TRIP5. Interacts with NR2C2 (hypophosphorylated and unsumoylated form); the interaction promotes the transactivation activity of NR2C2. Binds to HTLV-1 Tax. Interacts with and acetylates HIV-1 Tat. Interacts with KLF1; the interaction does not acetylate KLF1 and there is no enhancement of its transactivational activity. Interacts with NFE4. Interacts with MECOM. Interacts with E2F1; the interaction acetylates E2F1 augmenting its DNA-binding and transcriptional activity.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Has significant histone acetyltransferase activity with core histones (H3 and H4), and also with nucleosome core particles. Inhibits cell-cycle progression and counteracts the mitogenic activity of the adenoviral oncoprotein E1A. In case of HIV-1 infection, it is recruited by the viral protein Tat. Regulates Tat's transactivating activity and may help inducing chromatin remodeling of proviral genes.

Additional Information

Target/Specificity	Ubiquitously expressed but most abundant in heart and skeletal muscle.
Dilution	WB=1:500-1:1000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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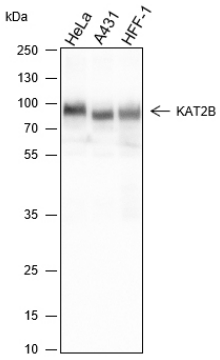
Images



Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: 2 hours at room temperature Secondary ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: HeLa, A431, HFF-1 Protein loading quantity: 20 µg Exposure time: 1 s Predicted MW: 93 kDa Observed MW: 93 kDa