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MOZ/MYST3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12197B

Product Information

Application	WB, E
Primary Accession	Q92794
Other Accession	NP_001092882
Reactivity	Human, Mouse
Predicted	Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14291
Calculated MW	225028
Antigen Region	1319-1351

Additional Information

Gene ID	7994
Other Names	Histone acetyltransferase KAT6A, MOZ, YBF2/SAS3, SAS2 and TIP60 protein 3, MYST-3, Monocytic leukemia zinc finger protein, Runt-related transcription factor-binding protein 2, Zinc finger protein 220, KAT6A, MOZ, MYST3, RUNXBP2, ZNF220
Target/Specificity	This MOZ/MYST3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1319-1351 amino acids from the C-terminal region of human MOZ/MYST3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MOZ/MYST3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KAT6A (HGNC:13013)

Function	Histone acetyltransferase that acetylates lysine residues in histone H3 and histone H4 (in vitro) (PubMed:11742995, PubMed:11965546). Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity (PubMed:11965546). May act as a transcriptional coactivator for RUNX1 and RUNX2 (PubMed:12771199). Acetylates p53/TP53 at 'Lys-120' and 'Lys-382' and controls its transcriptional activity via association with PML (PubMed:23431171). May play a role in leukemogenic gene transcription (PubMed:39794553).
Cellular Location	Nucleus. Nucleus, nucleolus. Nucleus, nucleoplasm. Nucleus, PML body. Note=Recruited into PML body after DNA damage

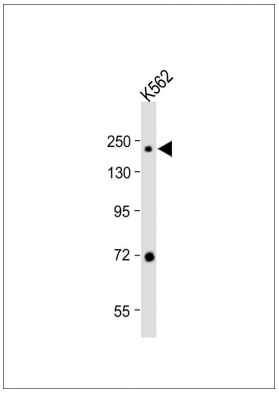
Background

Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity. Histone acetyltransferase which may act as a transcriptional coactivator for RUNX1 and RUNX2.

References

Paggetti, J., et al. Oncogene 29(36):5019-5031(2010)
Rokudai, S., et al. J. Biol. Chem. 284(1):237-244(2009)
Murati, A., et al. Leukemia 23(1):85-94(2009)
Ullah, M., et al. Mol. Cell. Biol. 28(22):6828-6843(2008)
Katsumoto, T., et al. Cancer Sci. 99(8):1523-1527(2008)

Images



All lanes : Anti-MOZ/MYST3 Antibody (C-term) at 1:1000 dilution Lane 1: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 225kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.