

KAT6B Rabbit pAb

KAT6B Rabbit pAb Catalog # AP56547

Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession Q8WYB5

Reactivity Rat, Pig, Mouse

Host Rabbit Clonality Polyclonal Calculated MW 231378 **Physical State** Liquid

KLH conjugated synthetic peptide derived from human KAT6B **Immunogen**

1151-1250/2073 **Epitope Specificity**

Isotype IgG

affinity purified by Protein A **Purity**

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION

SIMILARITY

Belongs to the MYST (SAS/MOZ) family. Contains 1 C2HC-type zinc finger. Contains 1 H15 (linker histone H1/H5 globular) domain. Contains 2 PHD-type

> zinc fingers. Autoacetylated.

Post-translational modifications

DISEASE Note=A chromosomal aberration involving MYST4 may be a cause acute

myeloid leukemias. Translocation t(10;16)(q22;p13) with CREBBP.

This product as supplied is intended for research use only, not for use in **Important Note**

human, therapeutic or diagnostic applications.

The protein encoded by this gene is a histone acetyltransferase and **Background Descriptions**

component of the MOZ/MORF protein complex. In addition to its

acetyltransferase activity, the encoded protein has transcriptional activation

activity in its N-terminal end and transcriptional repression activity in its

C-terminal end. This protein is necessary for RUNX2-dependent

transcriptional activation and could be involved in brain development. Mutations have been found in patients with genitopatellar syndrome. A translocation of this gene and the CREBBP gene results in acute myeloid leukemias. Three transcript variants encoding different isoforms have been

found for this gene. [provided by RefSeq, Mar 2012]

Additional Information

Gene ID 23522

Other Names Histone acetyltransferase KAT6B, 2.3.1.48, Histone acetyltransferase MOZ2,

MOZ, YBF2/SAS3, SAS2 and TIP60 protein 4, MYST-4, Monocytic leukemia zinc

finger protein-related factor, KAT6B, KIAA0383, MORF, MOZ2, MYST4

Target/Specificity Ubiquitously expressed, with high levels in heart, pancreas, testis and ovary.

Dilution IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500

0-10000

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.

Protein Information

Name KAT6B

Synonyms KIAA0383, MORF, MOZ2, MYST4

Function Histone acetyltransferase which may be involved in both positive and

negative regulation of transcription. Required for RUNX2- dependent transcriptional activation. May be involved in cerebral cortex development.

Component of the MOZ/MORF complex which has a histone H3

acetyltransferase activity.

Cellular Location Nucleus.

Tissue Location Ubiquitously expressed, with high levels in heart, pancreas, testis and ovary.

Background

The protein encoded by this gene is a histone acetyltransferase and component of the MOZ/MORF protein complex. In addition to its acetyltransferase activity, the encoded protein has transcriptional activation activity in its N-terminal end and transcriptional repression activity in its C-terminal end. This protein is necessary for RUNX2-dependent transcriptional activation and could be involved in brain development. Mutations have been found in patients with genitopatellar syndrome. A translocation of this gene and the CREBBP gene results in acute myeloid leukemias. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]

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