10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KAT6B Rabbit pAb

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Catalog # AP56547

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WYB5
Predicted	Rat, Pig, Human, Mouse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	231378
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KAT6B
Epitope Specificity	1151-1250/2073
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
DISEASE	Note=A chromosomal aberration involving MYST4 may be a cause acute myeloid leukemias. Translocation t(10;16)(q22;p13) with CREBBP.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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

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