CD Creative Diagnostics®

Anti-KAT6B (aa 80-172) polyclonal antibody (DPAB-DC1112)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	MYST4 (NP_036462, 80 a.a. ~ 172 a.a) partial recombinant protein with GST tag. The sequence is FSSVKPGTFPKSAKGSRGSCNDLRNVDWNKLLRRAIEGLEEPNGSSLKNIEKYLRSQSDL TSTTNNPAFQQRLRLGAKRAVNNGRLLKDGPQY
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	KAT6B K(lysine) acetyltransferase 6B [Homo sapiens (human)]
Official Symbol	KAT6B
Synonyms	KAT6B; K(lysine) acetyltransferase 6B; qkf; MORF; MOZ2; GTPTS; MYST4; ZC2HC6B; querkopf; histone acetyltransferase KAT6B; MYST-4; MOZ-related factor; histone acetyltransferase MORF; histone acetyltransferase MOZ2; histone acetyltransferase MYST4; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 4; MYST histone acetyltransferase (monocytic leukemia) 4; monocytic leukemia zinc finger protein-related factor;
Entrez Gene ID	23522
Protein Refseq	NP_001243397
UniProt ID	B2RWN8
Chromosome Location	10q22.2
Pathway	Chromatin modifying enzymes; HATs acetylate histones;
Function	DNA binding; acetyltransferase activity; histone acetyltransferase activity; protein binding