



Human KAT7 peptide (DAG-P1640)

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

PRODUCT INFORMATION

Antigen Description	Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Through chromatin acetylation it may regulate DNA replication and act as a coactivator of TP53-dependent transcription. Specifically represses AR-mediated transcription.
Specificity	Ubiquitously expressed, with highest levels in testis.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the MYST (SAS/MOZ) family. Contains 1 C2HC-type zinc finger.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	KAT7 K(lysine) acetyltransferase 7 [Homo sapiens (human)]
Official Symbol	KAT7
Synonyms	KAT7; K(lysine) acetyltransferase 7; HBO1; HBOA; MYST2; ZC2HC7; histone acetyltransferase KAT7; MYST-2; lysine acetyltransferase 7; histone acetyltransferase MYST2; MYST histone acetyltransferase 2; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 2; histone acetyltransferase binding to ORC1;

Entrez Gene ID	11143
mRNA Refseq	NM_001199155.1
Protein Refseq	NP_001186084.1
UniProt ID	O95251
Chromosome Location	17q21.32
Pathway	Androgen receptor signaling pathway, organism-specific biosystem; Chromatin modifying enzymes, organism-specific biosystem; Chromatin organization, organism-specific biosystem; HATs acetylate histones, organism-specific biosystem; Regulation of Androgen receptor activity, organism-specific biosystem;
Function	histone acetyltransferase activity; protein binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;