

KAT8 recombinant antibody

KAT8 Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278997	HEK293F Cell	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

KAT8; Monoclonal Recombinant Antibody; KAT8 Recombinant Monoclonal Antibody; Histone acetyltransferase KAT8 (EC 2.3.1.48)(Lysine acetyltransferase 8)(MOZ; YBF2/SAS3; SAS2 and TIP60 protein 1)(MYST-1)(hMOF); MOF MYST1; KAT8 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	7E11
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for KAT8 recombinant antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human KAT8
Conjugation	Non-conjugated
Research Area	Epigenetics and Nuclear Signaling
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HepG2 cell with AAA278997 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 587-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)

IHC image of AAA278997 diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

Related Product Information for KAT8 recombinant antibody	Histone acetyltransferase which may be involved in transcriptional activation (PubMed:12397079, PubMed:22020126). May influence the function of ATM (PubMed:15923642). As part of the MSL complex it is involved in acetylation of nucleosomal histone H4 producing specifically H4K16ac (PubMed:16227571, PubMed:16543150, PubMed:21217699, PubMed:22547026, PubMed:22020126). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed:20018852, PubMed:22547026). That activity is less specific than the one of the MSL complex (PubMed:20018852, PubMed:22547026). Can also acetylate TP53/p53 at 'Lys-120'. {ECO:0000269 PubMed:12397079, ECO:0000269 PubMed:15923642, ECO:0000269 PubMed:16227571, ECO:0000269 PubMed:16543150, ECO:0000269 PubMed:20018852, ECO:0000269 PubMed:21217699, ECO:0000269 PubMed:22020126, ECO:0000269 PubMed:22547026, ECO:0000269 PubMed:31794431}.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68565938
NCBI GeneID	84148
UniProt Accession #	Q9H7Z6; Q659G0; Q7LC17; Q8IY59; Q8WYB4; Q8WZ14; Q9HAC5; Q9NR35; A8K4Z1; G5E9P2
Molecular Weight	458
NCBI Official Full Name	Histone acetyltransferase KAT8
NCBI Official Synonym Full Names	K(lysine) acetyltransferase 8
NCBI Official Symbol	KAT8
NCBI Official Synonym Symbols	MOF; hMOF; MYST1; ZC2HC8
NCBI Protein Information	histone acetyltransferase KAT8; MYST-1; lysine acetyltransferase 8; histone acetyltransferase MYST1; MYST histone acetyltransferase 1; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 1; probable histone acetyltransferase MYST1; ortholog of Drosophila males absent
UniProt Protein Name	Histone acetyltransferase KAT8
UniProt Gene Name	KAT8
UniProt Synonym Gene Names	MOF; MYST1; MYST-1; hMOF
UniProt Entry Name	KAT8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/kat8-recombinant-antibody-clone-7e11-immunofluorescence-immunohistochemistry-elisa/278997>