ARG66655
anti-KAT7 / HBO1 / MYST2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KAT7 / HBO1 / MYST2
Tested Reactivity	Hu, Ms
Tested Application	ChIP, ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KAT7 / HBO1 / MYST2
Species	Human
Immunogen	Synthetic peptide within aa. 100-180 of Human KAT7 / HBO1 / MYST2.
Conjugation	Un-conjugated
Alternate Names	EC 2.3.1.48; ZC2HC7; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 2; HBOA; Lysine acetyltransferase 7; Histone acetyltransferase KAT7; MYST-2; HBO1; MYST2; Histone acetyltransferase binding to ORC1

Application Instructions

Application table

Application	Dilution
ChIP	Assay-dependent
ICC/IF	1:200 - 1:1000
IP	Assay-dependent
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 75 kDa

Properties

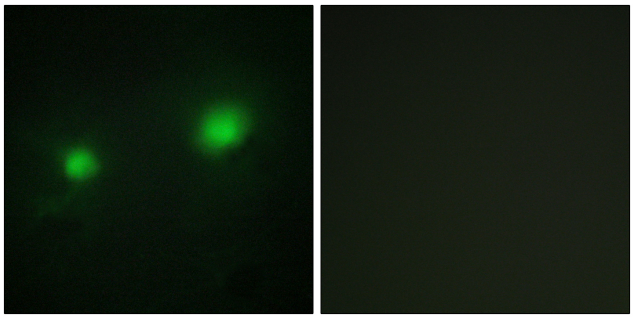
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

	cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

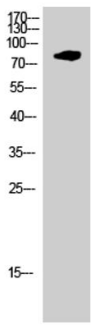
Gene Symbol	KAT7
Gene Full Name	K(lysine) acetyltransferase 7
Function	Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Through chromatin acetylation it may regulate DNA replication and act as a coactivator of TP53-dependent transcription. Specifically represses AR-mediated transcription. [UniProt]
Calculated Mw	71 kDa
PTM	Phosphorylation at Ser-57 by PLK1 during mitosis seems important for prereplicative complex formation and DNA replication licensing, and requires prior phosphorylation at Thr-85 and Thr-88 by CDK1 (PubMed:18250300). Autoacetylation at Lys-432 is required for proper function. [UniProt]
Cellular Localization	Nucleus, nucleoplasm. Cytoplasm, cytosol. Nucleus. Note=Associates with replication origins specifically during the G1 phase of the cell cycle (PubMed:18832067). [UniProt]

Images



ARG66655 anti-KAT7 / HBO1 / MYST2 antibody ICC/IF image

Immunofluorescence: HUVEC cells stained with ARG66655 anti-KAT7 / HBO1 / MYST2 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66655 anti-KAT7 / HBO1 / MYST2 antibody WB image

Western blot: Jurkat cell nucleus lysate stained with ARG66655 anti-KAT7 / HBO1 / MYST2 antibody at 1:2000 dilution.