

## ARG41426 anti-KAT7 / HBO1 / MYST2 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes KAT7 / HBO1 / MYST2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KAT7 / HBO1 / MYST2
Species	Human
Immunogen	Synthetic peptide derived from Human KAT7 / HBO1 / MYST2 Component of the HBO1 complex.
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
	ICC/IF	1:100 - 1:500
	IHC-P	1:50 - 1:200
	IP	1:50
	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 (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	0.5 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.

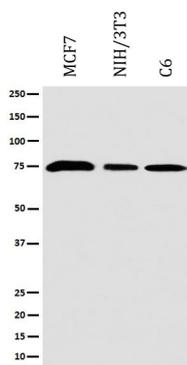
#### Note

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



ARG41426 anti-KAT7 / HBO1 / MYST2 antibody WB image

Western blot: 50 µg of samples under reducing conditions. MCF7, NIH/3T3 and C6 cell lysates stained with ARG41426 anti-KAT7 / HBO1 / MYST2 antibody at 0.5 µg/ml dilution, overnight at 4°C.