

DATASHEET

KAT7 Mouse Monoclonal Antibody(C2788)

CAT. NO. AMA02400

KEY FEATURES

Target	KAT7	Source / Host	Mouse
Reactivity	Human, Mouse, Monkey	Clonality	Monoclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Catalytic subunit of histone acetyltransferase HBO1 complexes, which specifically mediate acetylation of histone H3 at 'Lys-14' (H3K14ac), thereby regulating various processes, such as gene transcription, protein ubiquitination, immune regulation, stem cell pluripotent and self-renewal maintenance and embryonic development, thereby regulating various processes, such as gene transcription, protein ubiquitination, immune regulation, stem cell pluripotent and self-renewal maintenance and embryonic development. Some complexes also catalyze acetylation of histone H4 at 'Lys-5', 'Lys-8' and 'Lys-12' (H4K5ac, H4K8ac and H4K12ac, respectively), regulating DNA replication initiation, regulating DNA replication initiation.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to KAT7
Specificity	Recognizes endogenous levels of KAT7 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human KAT7 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 71 kD; Observed: 60, 75 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HBO1; HBOa; MYST2; Histone acetyltransferase KAT7; Histone acetyltransferase binding to ORC1; Lysine acetyltransferase 7; MOZ, YBF2/SAS3, SAS2 and TIP60 protein 2; MYST-2
Gene Symbol	KAT7
Entrez Gene	11143(Human); 303470(Rat)
SwissProt	O95251(Human); Q5SVQ0(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

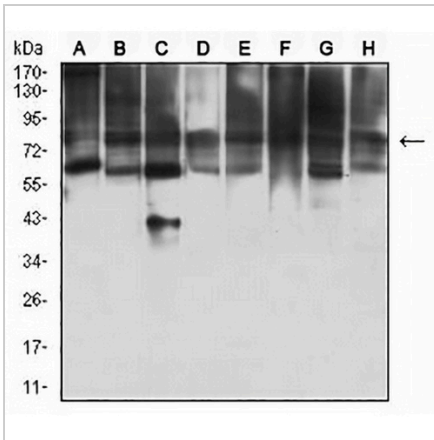
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

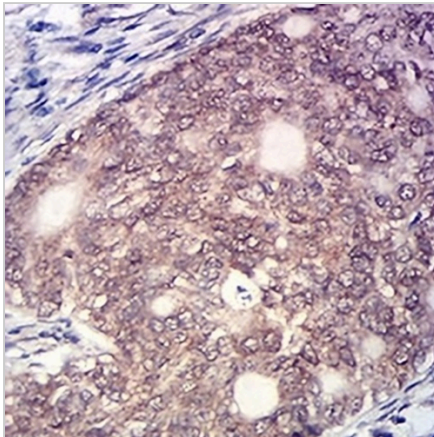
KAT7 Mouse Monoclonal Antibody(C2788)

CAT. NO. AMA02400

DATA



Western blot analysis of KAT7 expression in MOLT4 (A), COS7 (B), F9 (C), HepG2 (D), PC2 (E), U251 (F), MCF7 (G), NIH/3T3 (H) whole cell lysates. (Predicted band size: 71 kD; Observed band size: 60, 75 kD)



Immunohistochemical analysis of KAT7 staining in human cervical cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.