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**Product Name: KAT7 Rabbit Monoclonal antibody****Catalog #: AMRe03055**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Concentration</b>	0.13mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purified

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 71 kDa; Observed MW: 71 kDa

**Antigen Information**

<b>Gene Name</b>	KAT7
<b>Alternative Names</b>	HBO1; HBOA; MYST2; ZC2HC7
<b>Gene ID</b>	11143
<b>SwissProt ID</b>	O95251
<b>Immunogen</b>	Recombinant protein of human KAT7/Hbo1/MYST2

**Background**

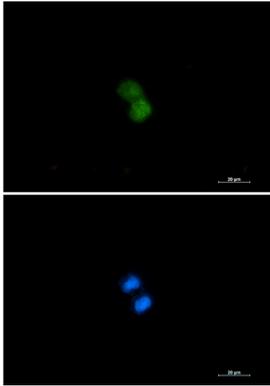
Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Through chromatin acetylation it may regulate DNA

replication and act as a coactivator of TP53-dependent transcription. Specifically represses AR-mediated transcription.

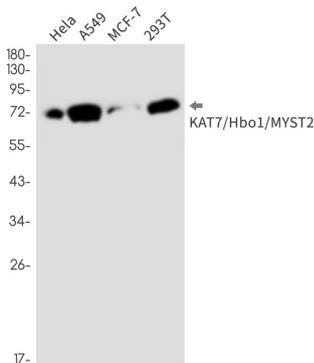
## Research Area

Epigenetics and Nuclear Signaling

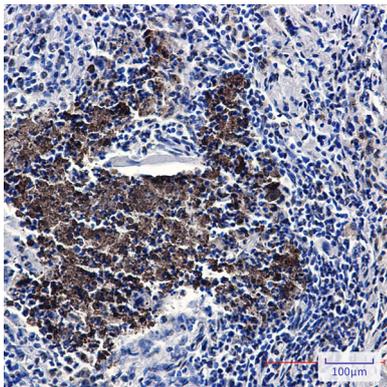
## Image Data



Immunocytochemistry analysis of KAT7 (green) in HCT116 using KAT7 antibody, and DAPI (blue).



Western blot analysis of KAT7/Hbo1/MYST2 in HeLa, A549, MCF-7, 293T lysates using KAT7/Hbo1/MYST2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using KAT7/Hbo1/MYST2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.