

Anti-KAT7 / Hbo1 / MYST2 antibody ab70183

13 References **3 图像**

概述

产品名称	Anti-KAT7 / Hbo1 / MYST2抗体
描述	兔多克隆抗体to KAT7 / Hbo1 / MYST2
宿主	Rabbit
经测试应用	适用于: ELISA, IHC-P, WB, ICC/IF, IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human KAT7/ Hbo1/ MYST2 (internal sequence). Database link: O95251 (Peptide available as ab182013)
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS
纯度	Without Mg ²⁺ and Ca ²⁺ Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab70183于以下的经测试应用

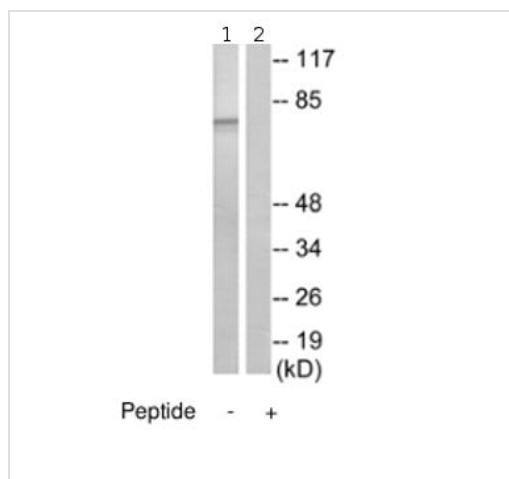
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/500 - 1/1000. Detects a band of approximately 71 kDa (predicted molecular weight: 71 kDa).
ICC/IF		1/100 - 1/500.
IP		Use at an assay dependent concentration.

靶标

功能	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.
组织特异性	Ubiquitously expressed, with highest levels in testis.
序列相似性	Belongs to the MYST (SAS/MOZ) family. Contains 1 C2HC-type zinc finger.
结构域	The C2HC-type zinc finger is required for interaction with MCM2 and ORC1L. The N-terminus is involved in transcriptional repression, while the C-terminus mediates AR-interaction.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus > nucleoplasm.

图片



Western blot - Anti-KAT7 / Hbo1 / MYST2 antibody (ab70183)

All lanes : Anti-KAT7 / Hbo1 / MYST2 antibody (ab70183) at 1/500 dilution

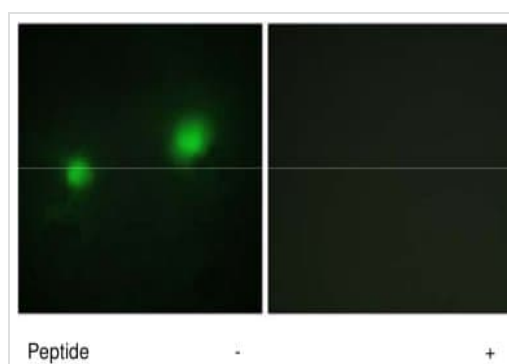
Lane 1 : Jurkat cell extract

Lane 2 : Jurkat cell extract with immunising peptide at 5 µg

Lysates/proteins at 5 µg per lane.

Predicted band size: 71 kDa

Observed band size: 71 kDa



Immunocytochemistry/ Immunofluorescence - Anti-KAT7 / Hbo1 / MYST2 antibody (ab70183)

HUVEC cells with ab70183 at 1/500 dilution, with and without the immunising peptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-KAT7 / Hbo1 / MYST2 antibody (ab70183)

IHC image of ab70183 staining in human breast carcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with EDTA (pH9, epitope retrieval solution 2) for 20 mins. The section was then incubated with ab70183, 5µg/ml, for 15 mins 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.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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