


Product datasheet

Anti-KAT7 / Hbo1 / MYST2 antibody [EPR7194(B)] ab124993

Recombinant RabMAb

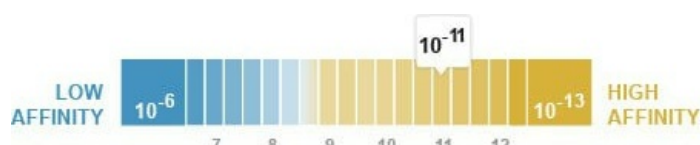
[2 References](#) [4 Images](#)

Overview

Product name	Anti-KAT7 / Hbo1 / MYST2 antibody [EPR7194(B)]
Description	Rabbit monoclonal [EPR7194(B)] to KAT7 / Hbo1 / MYST2
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human KAT7/ Hbo1/ MYST2 aa 50-150. The exact sequence is proprietary. Database link: O95251
Positive control	HeLa, Jurkat, MCF7, and HepG2 whole cell lysate (ab7900); Permeabilized HeLa cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K _D)	K _D = 4.70 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7194(B)
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab124993 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

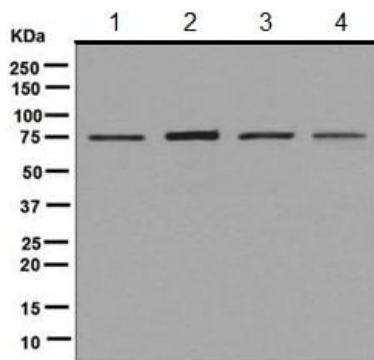
Application	Abreviews	Notes
Flow Cyt (Intra)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 71 kDa (predicted molecular weight: 71 kDa).

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

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.
Tissue specificity	Ubiquitously expressed, with highest levels in testis.
Sequence similarities	Belongs to the MYST (SAS/MOZ) family. Contains 1 C2HC-type zinc finger.
Domain	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.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus > nucleoplasm.

Images



Western blot - Anti-KAT7 / Hbo1 / MYST2 antibody [EPR7194(B)] (ab124993)

All lanes : Anti-KAT7 / Hbo1 / MYST2 antibody [EPR7194(B)] (ab124993) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : MCF7 cell lysate

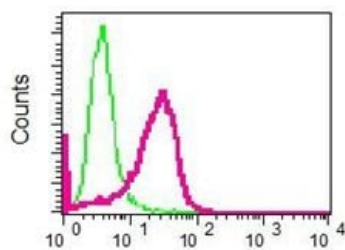
Lane 4 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

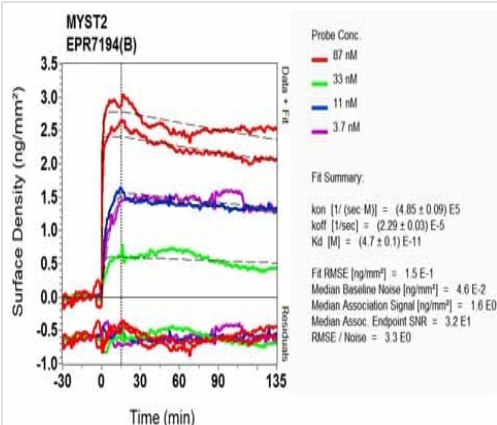
All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

Predicted band size: 71 kDa



Flow Cytometry (Intracellular) - Anti-KAT7 / Hbo1 / MYST2 antibody [EPR7194(B)] (ab124993)

ab124993 at 1/100 dilution staining KAT7 / Hbo1 / MYST2 in permeabilized HeLa cells by intracellular flow cytometry (red) or negative control (green).



OL-RD Scanning - Anti-KAT7 / Hbo1 / MYST2 antibody [EPR7194(B)] (ab124993)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-KAT7 / Hbo1 / MYST2 antibody [EPR7194(B)]
(ab124993)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors