abcam

Product datasheet

Anti-KAT7 / Hbo1 / MYST2 antibody ab37289

2 References 1 Image

Overview

Product name	Anti-KAT7 / Hbo1 / MYST2 antibody
Description	Rabbit polyclonal to KAT7 / Hbo1 / MYST2
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human KAT7/ Hbo1/ MYST2 (N terminal). Database link: **O95251**
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 3692 HAT-2 Antibody. 3692-100 is the same size as the 100 µg size of ab37289. 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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Thimerosal (merthiolate) Constituents: 1% BSA, 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab37289 in the following tested applications.

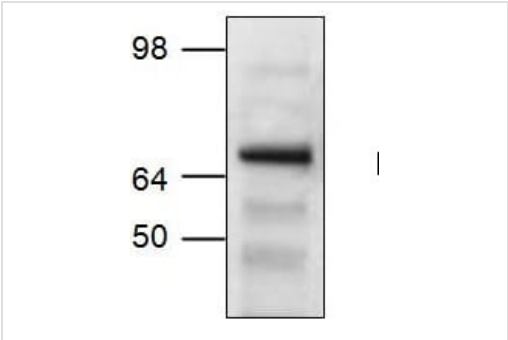
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 4 µg/ml. Detects a band of approximately 65 kDa (predicted molecular weight: 65 kDa).

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 (ab37289)

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

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