

Product datasheet

Recombinant Human KAT7 / Hbo1 / MYST2 protein
ab161319

1 Image

Overview

Product name	Recombinant Human KAT7 / Hbo1 / MYST2 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Accession	O95251
Species	Human
Sequence	SDLGLISYRSYWKEVLLRYLHNFQGKEISIKEISQETAVN PVDIVSTLQA LQMLKYWKGKHLVLKRQDLIDEWIAKEAKRSNSNKTMDPSCLKWTPPKGT
Amino acids	512 to 611
Tags	proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab161319** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

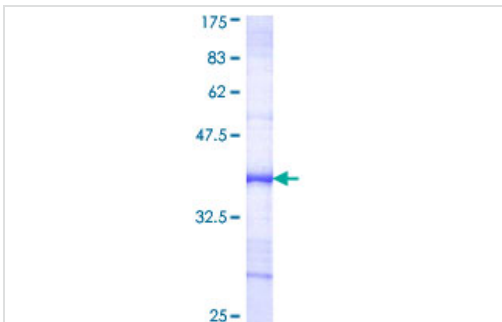
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
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Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

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



ab161319 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human KAT7 / Hbo1 / MYST2 protein (ab161319)

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