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# Datasheet for ABIN1724671 anti-MYST1 antibody

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## Overview

Quantity:	100 µL
Target:	MYST1 (KAT8)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MYST1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human MYST1 expressed in E. coli.
Clone:	8C4C4
lsotype:	lgG2b
Purification:	purified

## Target Details

Target:	MYST1 (KAT8)
Alternative Name:	MYST1 (KAT8 Products)
Background:	Description: MYST1 (MYST histone acetyltransferase 1, MOF) belongs to the MYST family of histone acetyltransferases, which are employed in the cell to bring about transcriptional
	regulation. The MYST family includes MYST1, is named for the founding members MOZ, yeast
	YBF2 and SAS2, and TIP60. All members of this family contain a MYST region of about 240

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amino acids with a canonical acetyl-CoA-binding site and a C2HC-type zinc finger motif. Most
MYST proteins also have a chromodomain involved in protein- protein interactions and
targeting transcriptional regulators to chromatin. Although MOF is expressed in both males and
females, it associates with the X chromosome only in males. MOF contains a zinc-finger
domain that is used to contact the globular part of the nucleosome and histone H4. The
carboxy terminal domain of human MOF also has histone acetyltransferase activity directed
against histones H3 and H2A, a characteristic shared with other MYST family histone
Aliases: MOF, KAT8, hMOF
53 kDa
84148
84148
ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000
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Liquid
Liquid Ascitic fluid containing 0.03 % sodium azide.
Liquid Ascitic fluid containing 0.03 % sodium azide. Sodium azide
Liquid Ascitic fluid containing 0.03 % sodium azide. Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Liquid Ascitic fluid containing 0.03 % sodium azide. Sodium azide This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. 4 °C/-20 °C 4 °C, -20 °C for long term storage Zuhlke, Johnson, Okoth, Stoffel, Robbins, Tembe, Salinas, Zheng, Xu, Carpten, Lange, Isaacs, Cooney: "Identification of a novel NBN truncating mutation in a family with hereditary prostate cancer." in: <b>Familial cancer</b> , Vol. 11, Issue 4, pp. 595-600, (2012) (PubMed).

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## Images



#### Immunofluorescence

**Image 1.** Confocal immunofluorescence analysis of Eca 109 cells using MOF/MYST1 mouse mAb (green), showing nuclear localization.

### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffinembedded human esophageal squamous cell carcinoma (A), normal esophagus epithelium (B), rectum adenocarcinoma (C), lung squamous cell carcinoma (D), breast infiltrating carcinoma (E), and breast infiltrating carcinoma (F) tissues, showing nuclear localization using MOF/MYST1 mouse mAb with DAB staining.

### Western Blotting

**Image 3.** Western blot analysis using MYST1 mouse mAb against Hela (1), HepG2 (2) and SMMC-7721 (3) cell lysate.

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