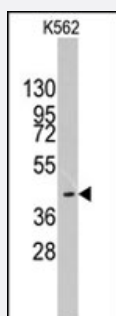


MYST1 polyclonal antibody

Catalog # PAB2349

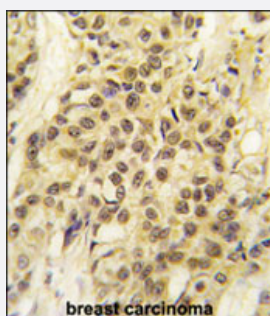
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of MYST1 polyclonal antibody (Cat # PAB2349) in K-562 cell line lysates (35 ug/lane). MYST1 (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MYST1 polyclonal antibody (Cat # PAB2349), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MYST1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 417-446 at C-terminus of human MYST1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — MYST1

Entrez GeneID	84148
Protein Accession#	NP_115564;Q9H7Z6
Gene Name	MYST1
Gene Alias	FLJ14040, KAT8, MOF, hMOF
Gene Description	MYST histone acetyltransferase 1
Omim ID	609912
Gene Ontology	Hyperlink
Gene Summary	The MYST family of histone acetyltransferases, which includes MYST1, is named for the founding members MOZ (MYST3; MIM 601408), yeast YBF2 and SAS2, and TIP60 (HTATIP; MIM 601409). All members of this family contain a MYST region of about 240 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 (Neal et al., 2000 [PubMed 10786633]).[supplied by OMIM]

Other Designations

histone acetyltransferase MYST1|ortholog of Drosophila males absent on the first (MOF)

Publication Reference

- [The histone acetyltransferase hMOF is frequently downregulated in primary breast carcinoma and medulloblastoma and constitutes a biomarker for clinical outcome in medulloblastoma.](#)

Pfister S, Rea S, Taipale M, Mendrzyk F, Straub B, Ittrich C, Thuerigen O, Sinn HP, Akhtar A, Lichter P.

International Journal of Cancer 2008 Mar; 122(6):1207.

Application: IHC-P, Human, Human breast cancer, medulloblastomas

- [The mammalian ortholog of Drosophila MOF that acetylates histone H4 lysine 16 is essential for embryogenesis and oncogenesis.](#)

Gupta A, Guerin-Peyrou TG, Sharma GG, Park C, Agarwal M, Ganju RK, Pandita S, Choi K, Sukumar S, Pandita RK, Ludwig T, Pandita TK.

Molecular and Cellular Biology 2008 Jan; 28(1):397.

Application: WB, Mouse, Human, Mouse fibroblasts

- [Males absent on the first \(MOF\): from flies to humans.](#)

Rea S, Xouri G, Akhtar A.

Oncogene 2007 Aug; 26(37):5385.

Application: IP, WB, Human, A-T fibroblasts, HEK 293 cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)