

Rabbit MYST2 Polyclonal Antibody | anti-MYST2 antibody

MYST2 Antibody

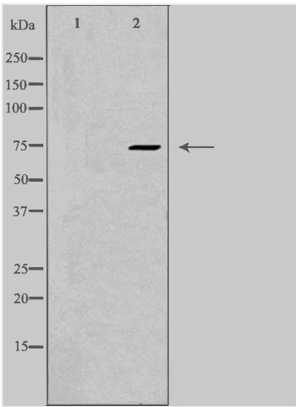
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323768	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

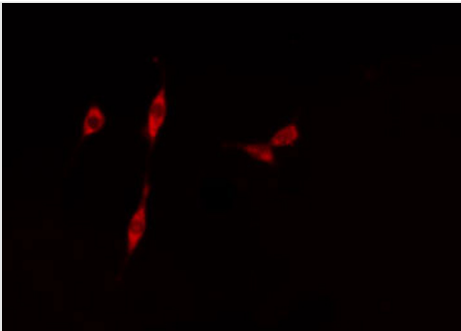
MYST2; Polyclonal Antibody; MYST2 Antibody; Hbo 1; HBO1; HBOa; Histone acetyltransferase binding to hORC1; Histone acetyltransferase binding to ORC1; Histone acetyltransferase KAT7; Histone acetyltransferase MYST2; K(lysine) acetyltransferase 7; KAT 7; KAT7; Lysine acetyltransferase 7; MOZ; MOZ YBF2/SAS3 SAS2 and TIP60 protein; YBF2/SAS3; SAS2 and TIP60 protein 2; MYST 2; MYST histone acetyltransferase 2; MYST protein 2; MYST-2; MYST2_HUMAN; SAS 2; TIP60 protein 2; ZC2HC7; anti-MYST2 antibody

PRODUCT SPECIFICATIONS

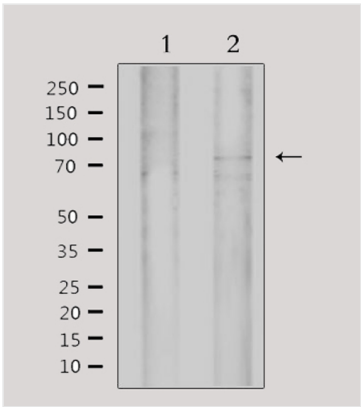
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MYST2 antibody detects endogenous levels of total MYST2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	581
Applicable Applications for anti-MYST2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus > Nucleoplasm.
Tissue Specificity	Ubiquitously expressed, with highest levels in testis.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



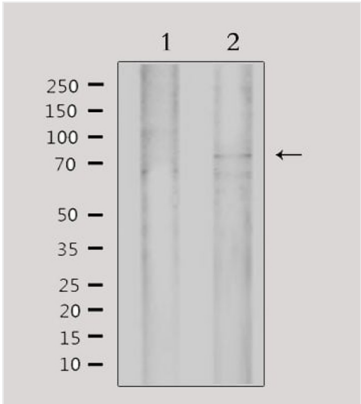
WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using MYST2 antibody.



IF (Immunofluorescence)
AAA323768 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from 293, using MYST2 Antibody.



WB (Western Blot)
Western blot analysis of extracts from 293, using MYST2 Antibody. Lane 1 was treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MYST2 antibody	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. Involved in H3K14 (histone H3 lysine 14) acetylation and cell proliferation (By similarity). Through chromatin acetylation it may regulate DNA replication and act as a coactivator of TP53-dependent transcription. Acts as a coactivator of the licensing factor CDT1 (PubMed:18832067). Specifically represses AR-mediated transcription. Subunit Structure: Component of the HBO1 complex composed at least of ING4 or ING5, KAT7/HBO1, MEAF6, and one of JADE1, JADE2 and JADE3. Interacts with MCM2 and ORC1. Interacts with the androgen receptor (AR) in the presence of dihydrotestosterone (PubMed:10930412). Interacts with CDT1 (PubMed:18832067). Interacts with MAP2K1 and CUL1 (By similarity). Post-translational Modifications: Phosphorylation at Ser-57 by PLK1 during mitosis seems important for prereplicative complex formation and DNA replication licensing, and requires prior phosphorylation at Thr-85 and Thr-88 by CDK1 (PubMed:18250300). Phosphorylated by MAP2K1, which accelerates its degradation (By similarity). Autoacetylation at Lys-432 is required for proper function. Ubiquitinated at Lys-338, leading to proteasomal degradation. Similarity: The C2HC MYST-type zinc finger is required for interaction with MCM2 and ORC1.The N-terminus is involved in transcriptional repression, while the C-terminus mediates AR-interaction. Belongs to the MYST (SAS/MOZ) family.
References	Yang Y, Guan J, Shaikh AS, Liang Y, Sun L, Wang M, Li D, Qiu C, Li X; Journal: Cell Physiol Biochem. Histone Acetyltransferase Mof Affects the Progression of DSS-Induced Colitis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312434011
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NCBI GeneID	11143
NCBI Accession #	NP_001186084.1
NCBI GenBank Nucleotide #	NM_001199155.1
UniProt Accession #	O95251 ; B3KN74 ; B4DF85 ; B4DFB4 ; B4DFE0 ; B4DGY4 ; E7ER15 ; G5E9K7
Molecular Weight	Observed: 75 kD Predicted: 71 kDa
NCBI Official Full Name	histone acetyltransferase KAT7 isoform 2
NCBI Official Synonym Full Names	lysine acetyltransferase 7
NCBI Official Symbol	KAT7
NCBI Official Synonym Symbols	HBO1; HBOA; MYST2; ZC2HC7
NCBI Protein Information	histone acetyltransferase KAT7
UniProt Protein Name	Histone acetyltransferase KAT7
UniProt Gene Name	KAT7
UniProt Synonym Gene Names	HBO1; HBOa; MYST2; MYST-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/myst2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323768>