

MYST1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15686**Specification**

MYST1 Antibody - Product Information

Application	IHC
Primary Accession	Q9H7Z6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52kDa KDa

MYST1 Antibody - Additional Information**Gene ID** 84148**Other Names**

Histone acetyltransferase KAT8, 2.3.1.48, Lysine acetyltransferase 8, MOZ, YBF2/SAS3, SAS2 and TIP60 protein 1, MYST-1, hMOF, KAT8, MOF, MYST1

Target/Specificity

Human MYST1

Reconstitution & Storage

Aliquot and freeze at -20° C. Avoid freeze-thaw cycles.

Precautions

MYST1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MYST1 Antibody - Protein Information**Name** KAT8**Synonyms** MOF, MYST1**Function**

Histone acetyltransferase which may be involved in transcriptional activation (PubMed:12397079, PubMed:22020126). May influence the function of ATM (PubMed:15923642). As part of the MSL complex it is involved in acetylation of nucleosomal histone H4 producing specifically H4K16ac (PubMed:16227571, PubMed:16543150, PubMed:21217699, PubMed:22547026, PubMed:22020126). As part of

the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (PubMed:20018852, PubMed:22547026). That activity is less specific than the one of the MSL complex (PubMed:20018852, PubMed:22547026). Can also acetylate TP53/p53 at 'Lys-120'.

Cellular Location

Nucleus. Chromosome

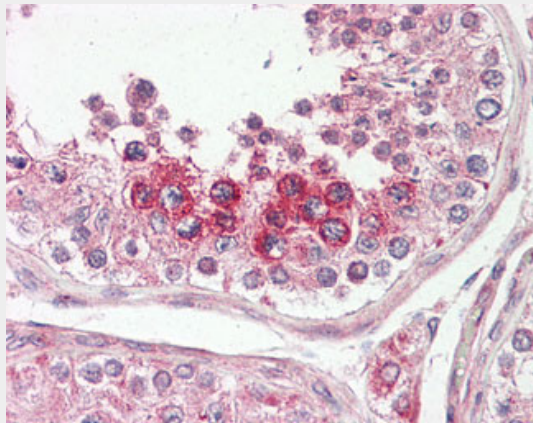
Volume

100 µl

MYST1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYST1 Antibody - Images

Anti-MYST1 antibody IHC staining of human testis.

MYST1 Antibody - Background

Histone acetyltransferase which may be involved in transcriptional activation. May influence the function of ATM. As part of the MSL complex it is involved in acetylation of nucleosomal histone H4 producing specifically H4K16ac. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. That activity is less specific than the one of the MSL complex. Can also acetylate TP53/p53 at 'Lys-120'.

MYST1 Antibody - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Borrow J.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Neal K.C.,et al.Biochim. Biophys. Acta 1490:170-174(2000).