

## MYST2 Polyclonal antibody

Catalog Number: 13751-1-AP

Featured Product

15 Publications

## Basic Information

## Catalog Number:

13751-1-AP

## Size:

150ul, Concentration: 400 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG4693

## GenBank Accession Number:

BC032640

## GeneID (NCBI):

11143

## UNIPROT ID:

O95251

## Full Name:

MYST histone acetyltransferase 2

## Calculated MW:

611 aa, 71 kDa

## Observed MW:

83 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:50-1:500

## Applications

## Tested Applications:

WB, IP, IF, IHC, ELISA

## Cited Applications:

WB, IP, IF, IHC, CoIP

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

**WB**: HeLa cells, human testis tissue, Jurkat cells, NIH/3T3 cells, MCF-7 cells, PC-3 cells

**IP**: HeLa cells,

**IHC**: human ovary tumor tissue, human breast cancer tissue, mouse kidney tissue

**IF**: NIH/3T3 cells,

## Background Information

MYST2, also named as HBO1, HBOa MOZ, YBF2/SAS3, SAS2 and TIP60 protein 2, belongs to the MYST (SAS/MOZ) family. It specifically represses AR mediated transcription. MYST2 is a candidate oncogene. It enhances the anchorage-independent growth of breast cancer cells. (PMID:19372580) MYST2 is a histone acetyltransferase (HAT) which could exert oncogenic function in breast cancer. It is an important downstream molecule of ERα, and ERK1/2 signaling pathway may involved in the expression of HBO1 increased by E2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Mylinh T Duong	23955388	Cancer Res	WB
Wenbo Liu	36355419	eLife	WB
Wang Wen-zhong WZ	21040551	J Exp Clin Cancer Res	WB, IHC

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

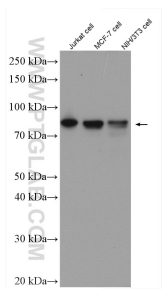
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

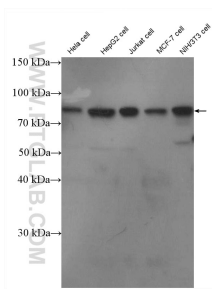
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

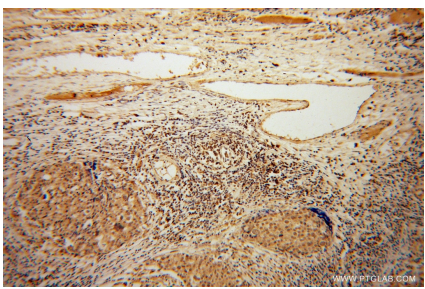
Selected Validation Data



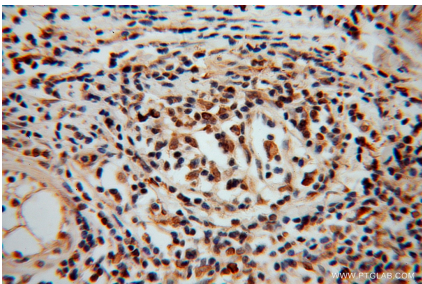
Various lysates were subjected to SDS PAGE followed by western blot with 13751-1-AP (MYST2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



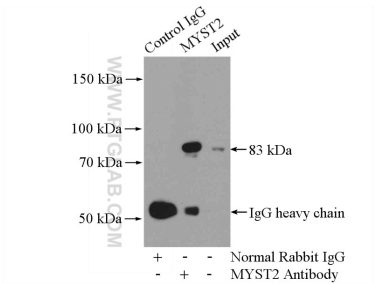
Various lysates were subjected to SDS PAGE followed by western blot with 13751-1-AP (MYST2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



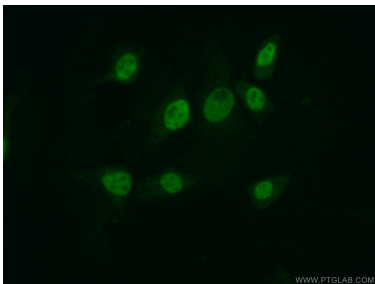
Immunohistochemical analysis of paraffin-embedded human ovary tumor using 13751-1-AP (MYST2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 13751-1-AP (MYST2 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-MYST2 (IP:13751-1-AP, 4ug; Detection:13751-1-AP 1:500) with HeLa cells lysate 2480ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed NIH/3T3 cells using 13751-1-AP (MYST2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).