

For Research Use Only

MYST2 Polyclonal antibody

Catalog Number: 13751-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number: 13751-1-AP	GenBank Accession Number: BC032640	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11143	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: MYST histone acetyltransferase 2	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 611 aa, 71 kDa	IF 1:50-1:500
Immunogen Catalog Number: AG4693	Observed MW: 83 kDa	

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
CoIP, IF, IHC, IP, WB

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

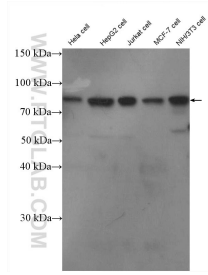
For technical support and original validation data for this product please contact:

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

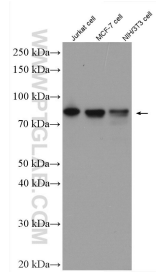
E: proteintech@ptglab.com
W: ptglab.com

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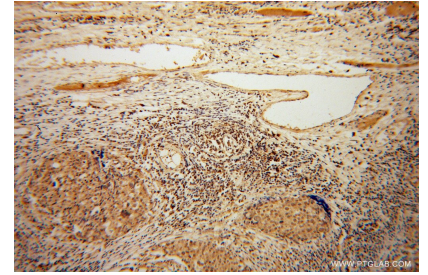
Selected Validation Data



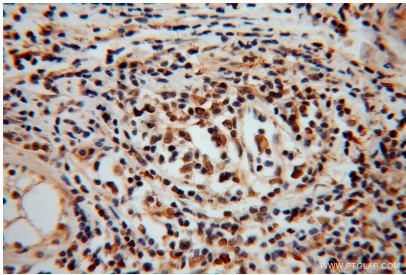
Various lysates were subjected to SDS PAGE followed by western blot with 13751-1-AP (MYST2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



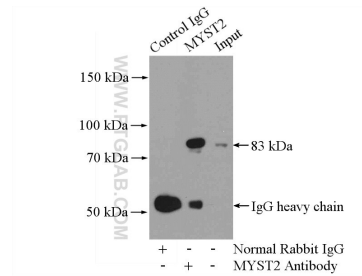
Various lysates were subjected to SDS PAGE followed by western blot with 13751-1-AP (MYST2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



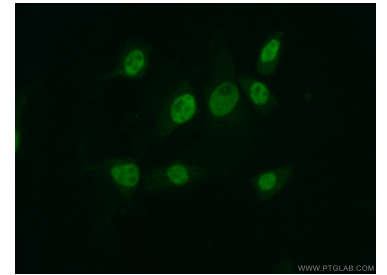
Immunohistochemical analysis of paraffin-embedded human ovary tumor using 13751-1-AP (MYST2 antibody) at dilution of 1:50 (under 10x lens).



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).