

For Research Use Only

MYST2 Polyclonal antibody

Catalog Number: 13751-1-AP

Featured Product

18 Publications



Basic Information

Catalog Number:

13751-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/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:

71 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 pancreas cancer tissue, human thyroid cancer tissue, mouse stomach tissue, rat stomach tissue, rat testis tissue

IF/ICC: 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

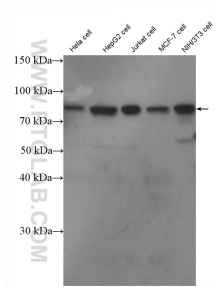
For technical support and original validation data for this product please contact:

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

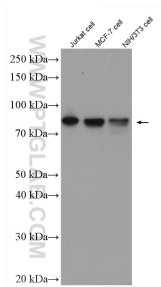
E: proteintech@ptglab.com
W: ptglab.com

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

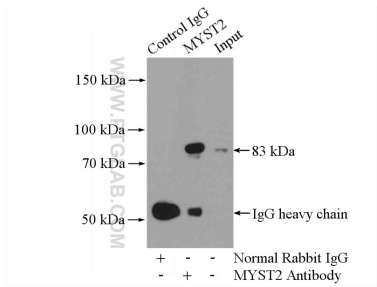
Selected Validation Data



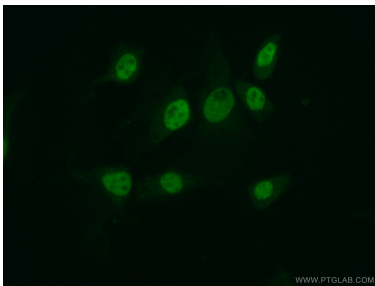
Various lysates were subjected to SDS PAGE followed by western blot with 13751-1-AP (MYST2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



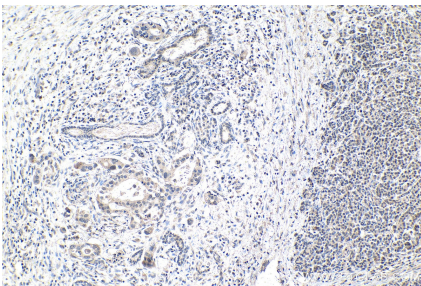
Various lysates were subjected to SDS PAGE followed by western blot with 13751-1-AP (MYST2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



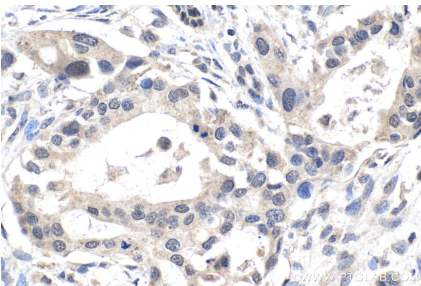
IP result of anti-MYST2 (IP:13751-1-AP, 4ug; Detection:13751-1-AP 1:500) with HeLa cells lysate 2480ug.



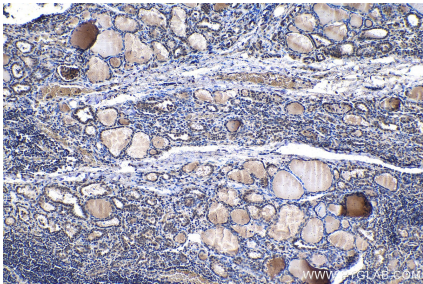
Immunofluorescent analysis of (10% Formaldehyde) fixed NIH/3T3 cells using 13751-1-AP (MYST2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



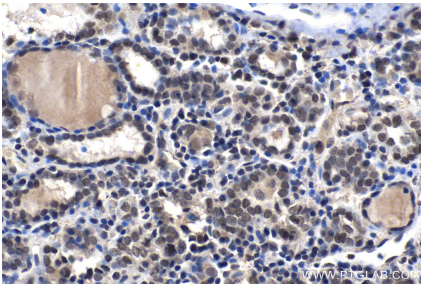
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



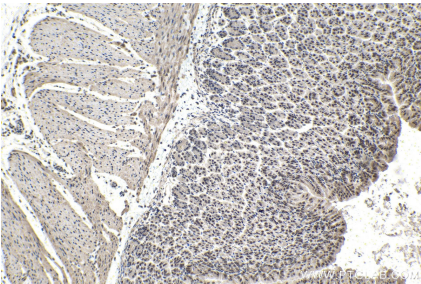
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



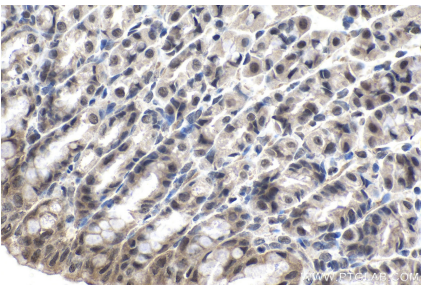
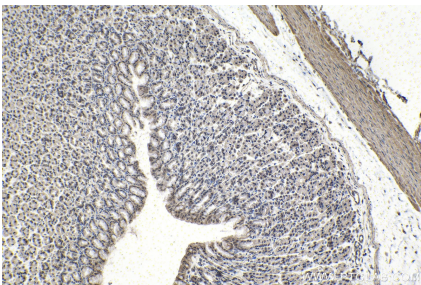
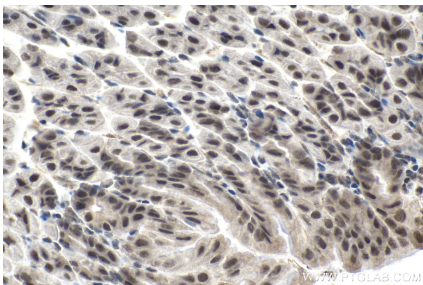
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



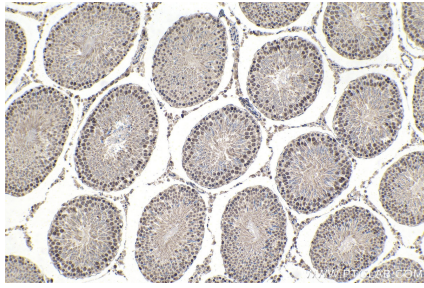
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

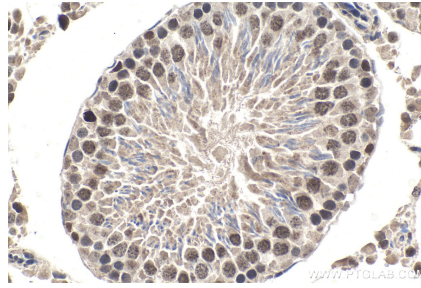


Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



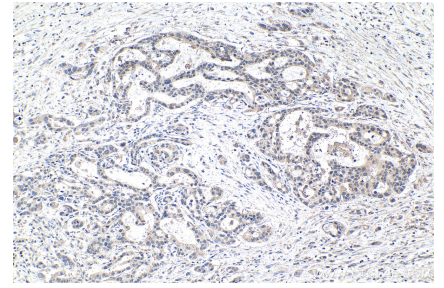
Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 13751-1-AP (MYST2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).