

MYST2 Polyclonal Antibody

Catalog number: 13751-1-AP

Size: 20 µg/150 µl

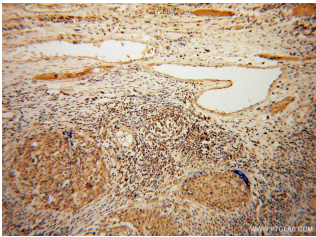
Source: Rabbit

Isotype: IgG

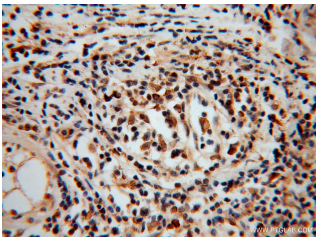
Synonyms:

MYST2; HBO1, HBOA, KAT7,

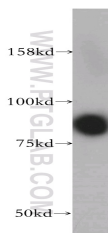
MYST 2, MYST2



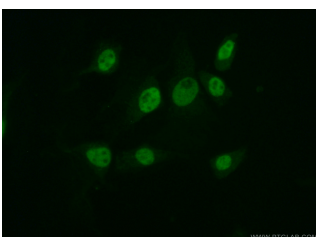
Immunohistochemical of paraffin-embedded human ovary tumor using 13751-1-AP(MYST2 antibody) at dilution of 1:50 (under 10x lens)



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



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 13751-1-AP(MYST2 antibody) at dilution of 1:500



Immunofluorescent analysis of (10% Formaldehyde) fixed

Background

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 ERa, and ERK1/2 signaling pathway may involved in the expression of HBO1 increased by E2.

Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated MYST2 MW:	611aa, 71 kDa
Observed MYST2 MW:	83 kDa
Positive WB detected in	NIH/3T3 cells, HeLa cells, human testis tissue, Jurkat cells, MCF7 cells, PC-3 cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human ovary tumor tissue, human breast cancer tissue, mouse kidney tissue
Positive IF detected in	NIH/3T3 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:50-1:500

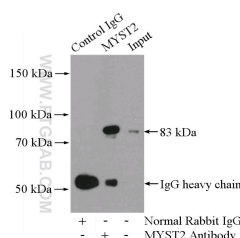
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4693
GenBank accession number:	BC032640
Gene ID (NCBI):	11143
Full name:	MYST histone acetyltransferase 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-MYST2 (IP:13751-1-AP, 4µg)

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) Detection:13751-1-AP 1:500) with HeLa cells lysate 2480ug.