

Mouse Monoclonal Antibody to TIP60

Order Information

Catalog#	20141	
Size/Concentration	100µl	50µl
Price(¥)	2180	1280

Description

HTATIP (HIV-1 Tat interacting protein TIP60, about 60kDa) belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein. HATs play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. The nucleosome, made up of four core histone proteins (H2A, H2B, H3 and H4), is the primary building block of chromatin. In addition to the growing number of post-translational histone modifications regulating chromatin structure, cells can also exchange canonical histones with variant histones that can directly or indirectly modulate chromatin structure. There are five major variants of histone H2A: canonical H2A (most abundant), H2A.X, MacroH2A, H2ABbd and H2A.Z. Histone H2A.Z, the most conserved variant across species, functions as both a positive and negative regulator of transcription and is important for chromosome stability. Several homologous protein complexes, such as SWR-C, TIP60 and SRCAP (mammals), have been shown to catalyze the ATP-dependent exchange of H2A.Z for H2A in the nucleosome. This protein is a histone acetylase that has a role in DNA repair and apoptosis and is thought to play an important role in signal transduction.

Specification

Aliases : TIP60 (HTATIP)

Entrez GeneID : 10524

Swissprot : Q92993

clone : 3F9

WB Predicted band size : 60kDa

Host/Isotype : Mouse IgG2b

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human

Immunogen : Purified recombinant fragment of human TIP60 expressed in E. Coli.

Formulation : Ascitic fluid containing 0.03% sodium azide.

Application

IHC	1/200 - 1/1000
ELISA	1/10000

References

- Mizuguchi, G. et al. Science 2004 303, 343-348.
- Jin, J. et al. Trends Biochem. Sci. 2005 30, 680-687.
- Raisner, R.M. and Madhani, H.D. Curr. Opin. Genet. 2006 Dev. 16, 119-124.

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Protocol

WB - www.promab.com/protocol/wb.html

IHC - www.promab.com/protocol/ihc.html

ICC - www.promab.com/protocol/icc.html

HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

Products and Services

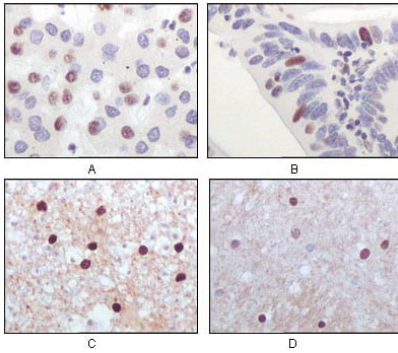
- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

For Research Only

Application Key:WB - Western Blot | IHC - Immunohistochemistry | ICC - Immunocytochemistry | FCM - Flow Cytometry | ELISA - Enzyme-linked Immunosorbent Assay | IP - Immunoprecipitation

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Mouse Monoclonal Antibody to TIP60



Immunohistochemical analysis of paraffin-embedded human liver carcinoma (A), rectum carcinoma (B), normal medulla tissue (C) and normal interbrain tissues (D), showing nuclear localization using Tip60 mouse mAb with DAB staining.

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