



TIP60 Mouse Monoclonal Antibody

E10-20141

Background: 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.

Catalog Number: E10-20141

Amount: 100µg/100µl

Clone Number: 8C4C4

Species: Mouse IgG2b

MW: 60KDa

Aliases: TIP60 (HTATIP)

Entrez Gene: 10524

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

Storage: Store at 4 °C for long term storage, store at 20 °C for 6 months

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IHC, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000 ,IHC.1/200 - 1/1000,ELISA. Propose dilution 1/10000.

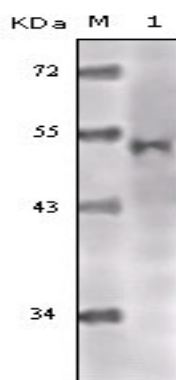


Figure 1. Western blot analysis using Tip60 mouse mAb against truncated Tip60 recombinant protein.

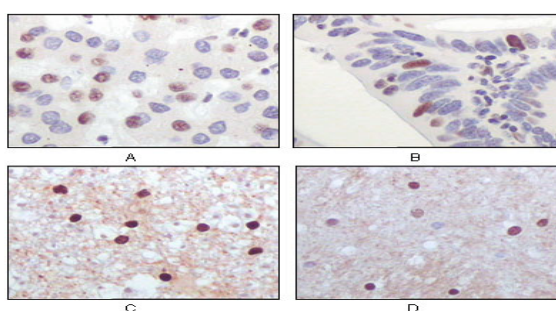


Figure 2. Immunohistochemical analysis of paraffin-embedded human liver carcinoma (A), rectum carcinoma (B), normal medulla tissue (C) and normal interbrain tissues (D), showing nuclear localization using Tip60 mouse mAb with DAB staining.

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