

Human TIP30/HTATIP2 antibody

Catalog Number: ATGA0444

PRODUCT INFORMATION

Catalog number

ATGA0444

Clone No.

AT5D6

Product type

Monoclonal Antibody

UnitProt No.

Q9BUP3

NCBI Accession No.

AAH15358

Alternative Names

Oxidoreductase HTATP2, CC3, TIP30, SDR44u1, Oxidoreductase HTATP2, HTATIP 2, HTATIP-2, CC-3, TIP 30, TIP-30

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human HTATIP2 (1-242aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot analysis, Flow cytometry and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

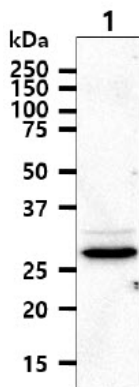
HTATIP2, also known as TIP30, is a member of the short-chain dehydrogenases/reductases (SDR) family. It acts as a tumor suppressor participating in metabolic suppression, inhibition of angiogenesis and induces the expression of apoptosis related genes Bad and Siva. HTATIP2 interacts with the activation domain of HIV-1 TAT and enhances its transcription by phosphorylating RNA polymerase II (Pol II). Defects in This protein are associated with hepatocellular carcinomas and apoptotic resistant tumor cells, suggesting a potential use for HTATIP2 in antitumor therapy.

General References

Shtivelman E., et al. (1997) *Oncogene*. 14(18): 2167-73.
Xiao H., et al. (1998) *Proc Natl Acad Sci U S A*. 95(5): 2146-2151.

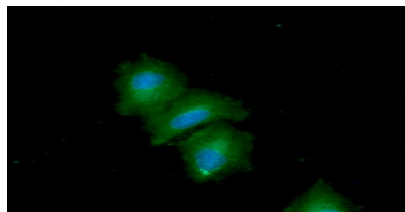
DATA

Western blot analysis (WB)

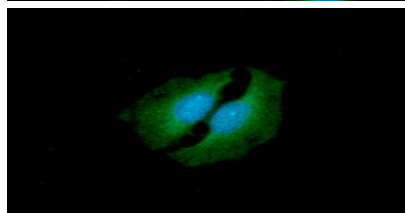


The cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HTATIP2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1 : HeLa cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of HTATIP2 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human HTATIP2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



ICC/IF analysis of HTATIP2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human HTATIP2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).