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# **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**

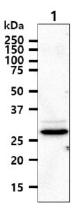
HTATIP2, also known as TIP30, is a member of the short-chain dehydrogenases/reductases (SDR) family. It acts as a tumor suppressor participating in metabolic suppression, inhibition of angiogenesis and induces the expression of apoptosis related genes Bad and Siva. HTATIP2 interacts with the activation 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**

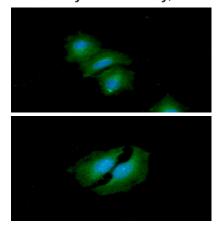
# Western blot analysis (WB)



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).

