

For Research Use Only

# THAP1 Polyclonal antibody

Catalog Number: 12584-1-AP

Featured Product

13 Publications



## Basic Information

**Catalog Number:**

12584-1-AP

**Concentration:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3285

**GenBank Accession Number:**

BC021721

**GeneID (NCBI):**

55145

**UNIPROT ID:**

Q9NVV9

**Full Name:**

THAP domain containing, apoptosis associated protein 1

**Calculated MW:**

213 aa, 25 kDa

**Observed MW:**

25-30 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Cited Applications:**

WB, IHC, ChIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HepG2 cells, human brain tissue, HEK-293 cells, HeLa cells, human heart tissue, A375 cells, SGC-7901 cells, mouse brain tissue, mouse heart tissue

**IHC:** human colon cancer tissue,

## Background Information

THAP1 belongs to the THAP1 family. It is a DNA-binding transcription regulator that regulates endothelial cell proliferation and G1/S cell-cycle progression. THAP1 may also have pro-apoptotic activity by potentiating both serum-withdrawal and TNF-induced apoptosis. Mutations in THAP1 have been associated with dystonia 6. THAP1 encodes a transcription factor with mostly unknown targets. It regulates the expression of DYT1 (TOR1A), another dystonia-causing gene. After characterization of the TOR1A promoter, THAP1 binds to the core promoter of TOR1A. Wild type THAP1 represses the expression of TOR1A, whereas dystonia 6-associated mutant THAP1 results in decreased repression of TOR1A. Catalog# 12584-1-AP is a rabbit polyclonal antibody raised against full-length of human THAP1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Maitane Ortiz-Virumbrales	25231164	Acta Neuropathol Commun	WB
Marta Ruiz	26376866	Hum Mol Genet	WB
Fubo Cheng	35015830	Brain	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

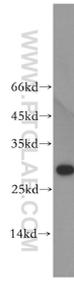
T: 4006900926

E: Proteintech-CN@ptglab.com

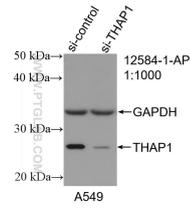
W: ptgcn.com

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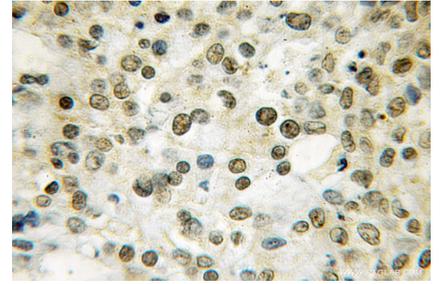
## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 12584-1-AP (THAP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of THAP1 antibody (12584-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-THAP1 transfected A549 cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 12584-1-AP (THAP1 antibody) at dilution of 1:50 (under 40x lens).