

For Research Use Only

THAP1 Polyclonal antibody

Catalog Number: 12584-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

12584-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

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

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

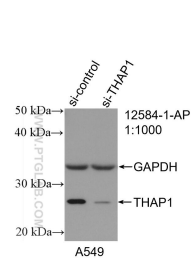
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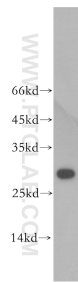
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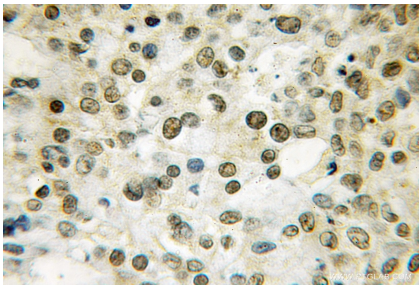
Selected Validation Data



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.



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.



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