

THAP1

Polyclonal ANTIBODY

Catalog Number: 12584-1-AP

Featured Product

8 Publications

Basic Information

Catalog Number:
12584-1-AP

Size:
75 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG3285

GenBank Accession Number:
BC021721

GeneID (NCBI):
55145

Full Name:
THAP domain containing, apoptosis associated protein 1

Calculated MW:
213aa, 25 kDa

Observed MW:
25-30 kDa

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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

Positive Controls:

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

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
Esther Meyer	27992417	Nat Genet	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

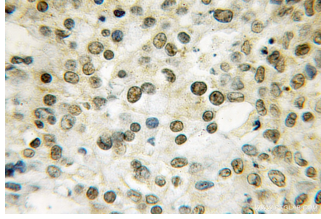
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

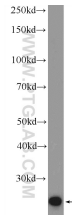
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical of paraffin-embedded human colon cancer using 12584-1-AP (THAP1 antibody) at dilution of 1:30 (under 40x lens)



HEK-293 cells were subjected to SDS PAGE followed by western blot with 12584-1-AP (THAP1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours