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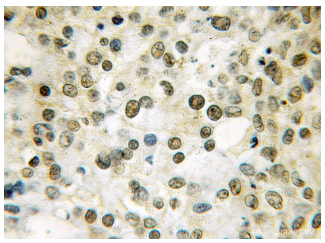
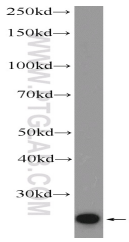
THAP1 Polyclonal Antibody

Catalog number: 12584-1-AP
Size: 75 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
THAP1; FLJ10477, THAP1



Immunohistochemical of paraffin-embedded human colon cancer using 12584-1-AP(THAP1 antibody) at dilution of 1:50 (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

Background

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-apoptopic 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 huamn THAP1.

Applications

Tested applications:	**ELISA, IHC, WB**
Cited applications:	**IHC, WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human, mouse, mouse; human, rat**
Caculated THAP1 MW:	**213aa,25 kDa**
Observed THAP1 MW:	**30kd**
Positive WB detected in	**HEK-293 cells, A375 cells, HeLa cells, HepG2 cells, human brain tissue, human heart tissue, mouse brain tissue, mouse heart tissue, SGC-7901 cells**
Positive IHC detected in	**Human colon cancer tissue**
Recommended dilution:	**WB: 1:500-1:5000** **IHC: 1:20-1:200**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag3285**
GenBank accession number:	**BC021721**
Gene ID (NCBI):	**55145**
Full name:	**THAP domain containing, apoptosis associated protein 1**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**