

THAP1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2078a**Specification****THAP1 Antibody - Product Information**

Application	E, WB, IF, FC
Primary Accession	O9NVV9
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	24.9kDa KDa

Description

The protein encoded by this gene contains a THAP domain, a conserved DNA-binding domain. This protein colocalizes with the apoptosis response protein PAWR/PAR-4 in promyelocytic leukemia (PML) nuclear bodies, and functions as a proapoptotic factor that links PAWR to PML nuclear bodies. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Immunogen

Purified recombinant fragment of human THAP1 (AA: 1-213) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

THAP1 Antibody - Additional Information

Gene ID 55145

Other Names

THAP domain-containing protein 1, THAP1

Dilution

E~~1/10000
WB~~1/500 - 1/2000
IF~~1/200 - 1/1000
FC~~1/200 - 1/400

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

THAP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

THAP1 Antibody - Protein Information

Name THAP1**Function**

DNA-binding transcription regulator that regulates endothelial cell proliferation and G1/S cell-cycle progression. Specifically binds the 5'-[AT]NTNN[GT]GGCA[AGT]-3' core DNA sequence and acts by modulating expression of pRB-E2F cell-cycle target genes, including RRM1. Component of a THAP1/THAP3-HCFC1-OGT complex that is required for the regulation of the transcriptional activity of RRM1. May also have pro-apoptotic activity by potentiating both serum- withdrawal and TNF-induced apoptosis.

Cellular Location

Nucleus, nucleoplasm. Nucleus, PML body

Tissue Location

Highly expressed in heart, skeletal muscle, kidney and liver. Weaker expression in brain and placenta

THAP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)