

THAP1 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO2079a

Product Information

Application	WB, FC, E
Primary Accession	Q9NWX9
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2F1B4
Isotype	IgG1
Calculated MW	24944
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

Additional Information

Gene ID	55145
Other Names	THAP domain-containing protein 1, THAP1
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
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.

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

References

1.Mov Disord. 2014 Feb;29(2):278-80.2.Hum Mutat. 2011 Nov;32(11):1213-24.

Images

