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THRAP3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16468b

Specification

THRAP3 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y2W1
Other Accession	NP_005110.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**108666**
Antigen Region	**927-955**

THRAP3 Antibody (C-term) - Additional Information

Gene ID 9967

Other Names
Thyroid hormone receptor-associated protein 3, Thyroid hormone receptor-associated protein complex 150 kDa component, Trap150, THRAP3, TRAP150

Target/Specificity
This THRAP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 927-955 amino acids from the C-terminal region of human THRAP3.

Dilution
WB~~1:2000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
THRAP3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

THRAP3 Antibody (C-term) - Protein Information

Name THRAP3 (HGNC:22964)

Function Involved in pre-mRNA splicing. Remains associated with spliced mRNA after splicing

which probably involves interactions with the exon junction complex (EJC). Can trigger mRNA decay which seems to be independent of nonsense-mediated decay involving premature stop codons (PTC) recognition. May be involved in nuclear mRNA decay. Involved in regulation of signal-induced alternative splicing. During splicing of PTPRC/CD45 is proposed to sequester phosphorylated SFPQ from PTPRC/CD45 pre-mRNA in resting T-cells. Involved in cyclin- D1/CCND1 mRNA stability probably by acting as component of the SNARP complex which associates with both the 3'end of the CCND1 gene and its mRNA. Involved in response to DNA damage. Is excluced from DNA damage sites in a manner that parallels transcription inhibition; the function may involve the SNARP complex. Initially thought to play a role in transcriptional coactivation through its association with the TRAP complex; however, it is not regarded as a stable Mediator complex subunit. Cooperatively with HELZ2, enhances the transcriptional activation mediated by PPARG, maybe through the stabilization of the PPARG binding to DNA in presence of ligand. May play a role in the terminal stage of adipocyte differentiation. Plays a role in the positive regulation of the circadian clock. Acts as a coactivator of the CLOCK-BMAL1 heterodimer and promotes its transcriptional activator activity and binding to circadian target genes (PubMed:24043798).

Cellular Location
Nucleus. Nucleus, nucleoplasm. Nucleus speckle

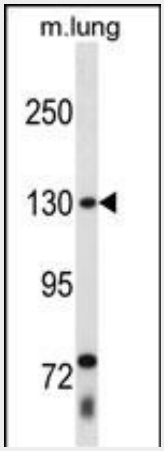
Tissue Location
Ubiquitous..

THRAP3 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

THRAP3 Antibody (C-term) - Images



THRAP3 Antibody (C-term) (Cat. #AP16468b) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the THRAP3 antibody detected the THRAP3 protein (arrow).

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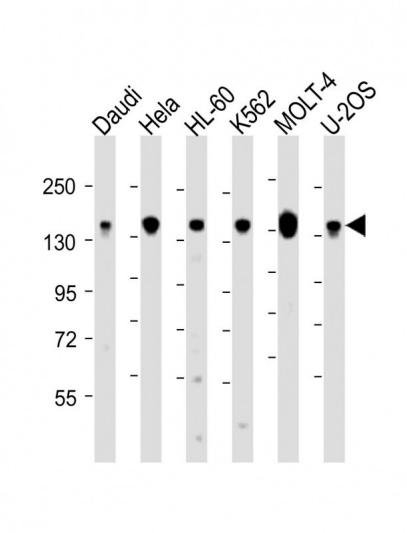

All lanes : Anti-THRAP3 Antibody (C-term) at 1:2000 dilution Lane 1: Daudi whole cell lysate Lane 2: Hela whole cell lysate Lane 3: HL-60 whole cell lysate Lane 4: K562 whole cell lysate Lane 5: MOLT-4 whole cell lysate Lane 6: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 109 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

THRAP3 Antibody (C-term) - Background

THRAP3 plays a role in transcriptional coactivation.

THRAP3 Antibody (C-term) - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
Jin, J., et al. Curr. Biol. 14(16):1436-1450(2004)