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THRAP3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16468b

Specification

THRAP3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y2W1

THRAP3 Antibody (C-term) Blocking Peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

THRAP3 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

THRAP3 Antibody (C-term) Blocking Peptide - Images

THRAP3 Antibody (C-term) Blocking Peptide - Background

THRAP3 plays a role in transcriptional coactivation.

THRAP3 Antibody (C-term) Blocking Peptide - 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)