

**TADA2L Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14912c****Specification**

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**TADA2L Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O75478](#)**TADA2L Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6871**Other Names**

Transcriptional adapter 2-alpha, Transcriptional adapter 2-like, ADA2-like protein, TADA2A, TADA2L

**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.

**TADA2L Antibody (Center) Blocking Peptide - Protein Information****Name** TADA2A**Synonyms** TADA2L**Function**

Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4. Required for the function of some acidic activation domains, which activate transcription from a distant site (By similarity). Binds double-stranded DNA. Binds dinucleosomes, probably at the linker region between neighboring nucleosomes. Plays a role in chromatin remodeling. May promote TP53/p53 'Lys-321' acetylation, leading to reduced TP53 stability and transcriptional activity (PubMed:<a href="http://www.uniprot.org/citations/22644376" target="\_blank">22644376</a>). May also promote XRCC6 acetylation thus facilitating cell apoptosis in response to DNA damage (PubMed:<a href="http://www.uniprot.org/citations/22644376" target="\_blank">22644376</a>).

**Cellular Location**

Nucleus. Chromosome {ECO:0000250|UniProtKB:Q8CHV6}

**Tissue Location**

Expressed in all tissues, but most abundantly in testis

## **TADA2L Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **TADA2L Antibody (Center) Blocking Peptide - Images**

## **TADA2L Antibody (Center) Blocking Peptide - Background**

Many DNA-binding transcriptional activator proteins enhance the initiation rate of RNA polymerase II-mediated gene transcription by interacting functionally with the general transcription machinery bound at the basal promoter. Adaptor proteins are usually required for this activation, possibly to acetylate and destabilize nucleosomes, thereby relieving chromatin constraints at the promoter. The protein encoded by this gene is a transcriptional activator adaptor and has been found to be part of the PCAF histone acetylase complex. Several alternatively spliced transcript variants encoding different isoforms of this gene have been described, but the full-length nature of some of these variants has not been determined.

## **TADA2L Antibody (Center) Blocking Peptide - References**

Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010) Yang, M., et al. Cancer Biol. Ther. 7(1):120-128(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Qian, C., et al. Nat. Struct. Mol. Biol. 12(12):1078-1085(2005) Barlev, N.A., et al. Mol. Cell. Biol. 23(19):6944-6957(2003)