

**THAP4 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9896b****Specification**

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**THAP4 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q8WY91](#)

**THAP4 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 51078

**Other Names**

THAP domain-containing protein 4, THAP4

**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.

**THAP4 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** THAP4 ([HGNC:23187](#))

**Function**

Heme-binding protein able to scavenge peroxynitrite and to protect free L-tyrosine against peroxynitrite-mediated nitration, by acting as a peroxynitrite isomerase that converts peroxynitrite to nitrate. Therefore, this protein likely plays a role in peroxynitrite sensing and in the detoxification of reactive nitrogen and oxygen species (RNS and ROS, respectively). Is able to bind nitric oxide (NO) in vitro, but may act as a sensor of peroxynitrite levels in vivo, possibly modulating the transcriptional activity residing in the N- terminal region.

**Cellular Location**

Cytoplasm. Nucleus. Note=Localizes mainly in the cytoplasm and partially in the nucleus.

**THAP4 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**THAP4 Antibody (C-term) Blocking Peptide - Images**

**THAP4 Antibody (C-term) Blocking Peptide - Background**

This gene is a member of the Human CCDS.

**THAP4 Antibody (C-term) Blocking Peptide - References**

Stein, J.L., et al. Neuroimage (2010) In press : Hillier, L.W., et al. Nature  
434(7034):724-731(2005) Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A.  
101(44):15724-15729(2004) Roussigne, M., et al. Trends Biochem. Sci. 28(2):66-69(2003)