

**ZC3H14 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16512c****Specification**

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**ZC3H14 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q6PJT7](#)**ZC3H14 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 79882**Other Names**

Zinc finger CCCH domain-containing protein 14, Mammalian suppressor of tau pathology-2, MSUT-2, Renal carcinoma antigen NY-REN-37, ZC3H14

**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.

**ZC3H14 Antibody (Center) Blocking Peptide - Protein Information****Name** ZC3H14 {ECO:0000303|PubMed:19303045, ECO:0000312|HGNC:HGNC:20509}**Function**

RNA-binding protein involved in the biogenesis of circular RNAs (circRNAs), which are produced by back-splicing circularization of pre-mRNAs (PubMed:<a href="http://www.uniprot.org/citations/39461343" target="\_blank">39461343</a>). Acts by binding to both exon-intron boundary and 3'-UTR of pre-mRNAs to promote circRNA biogenesis through dimerization and the association with the spliceosome (PubMed:<a href="http://www.uniprot.org/citations/39461343" target="\_blank">39461343</a>). Required for spermatogenesis via involvement in circRNA biogenesis (PubMed:<a href="http://www.uniprot.org/citations/39461343" target="\_blank">39461343</a>). Regulates the pre-mRNA processing of ATP5MC1; preventing its degradation (PubMed:<a href="http://www.uniprot.org/citations/27563065" target="\_blank">27563065</a>). Also binds the poly(A) tail of mRNAs; controlling poly(A) length in neuronal cells (PubMed:<a href="http://www.uniprot.org/citations/17630287" target="\_blank">17630287</a>, PubMed:<a href="http://www.uniprot.org/citations/24671764" target="\_blank">24671764</a>).

**Cellular Location**

Nucleus speckle Note=Colocalizes with poly(A) RNA in nuclear speckles {ECO:0000250|UniProtKB:Q7TMD5} [Isoform 3]: Nucleus speckle

**Tissue Location**

[Isoform 1]: Expressed in fetal and adult brain (PubMed:21734151). Expressed in fetal and adult temporal lobe (PubMed:21734151).

**ZC3H14 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ZC3H14 Antibody (Center) Blocking Peptide - Images****ZC3H14 Antibody (Center) Blocking Peptide - Background**

ZC3H14 belongs to a family of poly(A)-binding proteins that influence gene expression by regulating mRNA stability, nuclear export, and translation (Kelly et al., 2007 [PubMed17630287]).

**ZC3H14 Antibody (Center) Blocking Peptide - References**

Wheeler, J.M., et al. Biochem. Soc. Trans. 38(4):973-976(2010) Leung, S.W., et al. Gene 439 (1-2), 71-78 (2009) : Kelly, S.M., et al. Proc. Natl. Acad. Sci. U.S.A. 104(30):12306-12311(2007) Scanlan, M.J., et al. Int. J. Cancer 83(4):456-464(1999)