

TIPIN Antibody(N-term) Blocking peptide
Synthetic peptide
Catalog # BP19596a**Specification**

TIPIN Antibody(N-term) Blocking peptide - Product InformationPrimary Accession [Q9BVW5](#)**TIPIN Antibody(N-term) Blocking peptide - Additional Information**

Gene ID 54962

Other Names

TIMELESS-interacting protein, TIPIN

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.

TIPIN Antibody(N-term) Blocking peptide - Protein InformationName TIPIN ([HGNC:30750](#))**Function**

Plays an important role in the control of DNA replication and the maintenance of replication fork stability (PubMed: [23359676](http://www.uniprot.org/citations/23359676), PubMed: [35585232](http://www.uniprot.org/citations/35585232), PubMed: [17102137](http://www.uniprot.org/citations/17102137)). Important for cell survival after DNA damage or replication stress (PubMed: [17116885](http://www.uniprot.org/citations/17116885)). May be specifically required for the ATR-CHEK1 pathway in the replication checkpoint induced by hydroxyurea or ultraviolet light (PubMed: [17296725](http://www.uniprot.org/citations/17296725)). Forms a complex with TIMELESS and this complex regulates DNA replication processes under both normal and stress conditions, stabilizes replication forks and influences both CHEK1 phosphorylation and the intra-S phase checkpoint in response to genotoxic stress (PubMed: [23359676](http://www.uniprot.org/citations/23359676), PubMed: [35585232](http://www.uniprot.org/citations/35585232), PubMed: [17102137](http://www.uniprot.org/citations/17102137), PubMed: [17116885](http://www.uniprot.org/citations/17116885), PubMed: [17296725](http://www.uniprot.org/citations/17296725)).

Cellular Location

Cytoplasm. Nucleus

TIPIN Antibody(N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TIPIN Antibody(N-term) Blocking peptide - Images**TIPIN Antibody(N-term) Blocking peptide - Background**

Required for normal progression of S-phase. Important for cell survival after DNA damage or replication stress. May be specifically required for the ATR-Chk1 pathway in the replication checkpoint induced by hydroxyurea or ultraviolet light.

TIPIN Antibody(N-term) Blocking peptide - References

Kemp, M.G., et al. J. Biol. Chem. 285(22):16562-16571(2010) Leman, A.R., et al. J. Cell. Sci. 123 (PT 5), 660-670 (2010) :Utge, S.J., et al. PLoS ONE 5 (2), E9259 (2010) :Unsal-Kacmaz, K., et al. Mol. Cell. Biol. 27(8):3131-3142(2007) Gotter, A.L., et al. J. Mol. Biol. 366(1):36-52(2007)