



TIPIN Antibody(N-term) Blocking peptide

Synthetic peptide Catalog # BP19596a

### **Specification**

TIPIN Antibody(N-term) Blocking peptide - Product Information

Primary 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 Information

#### Name TIPIN

### Function

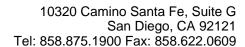
Plays an important role in the control of DNA replication and the maintenance of replication fork stability. Important for cell survival after DNA damage or replication stress. May be specifically required for the ATR-CHEK1 pathway in the replication checkpoint induced by hydroxyurea or ultraviolet light. Forms a complex with TIMELESS and this complex regulates DNA replication processes under both normal and stress conditions, stabilizes replication

# 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)





forks and influences both CHEK1 phosphorylation and the intra-S phase checkpoint in response to genotoxic stress.

**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