

TIPIN Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19596a

Product Information

Application	WB, E
Primary Accession	Q9BVW5
Other Accession	NP_060328.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40607
Calculated MW	34555
Antigen Region	227-254

Additional Information

Gene ID	54962
Other Names	TIMELESS-interacting protein, TIPIN
Target/Specificity	This TIPIN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 227-254 amino acids from the N-terminal region of human TIPIN.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TIPIN Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TIPIN (HGNC:30750)
Function	Plays an important role in the control of DNA replication and the maintenance of replication fork stability (PubMed: 17102137 , PubMed: 23359676 , PubMed: 35585232). Important for cell survival after DNA damage or replication stress (PubMed: 17116885). May be specifically

required for the ATR-CHEK1 pathway in the replication checkpoint induced by hydroxyurea or ultraviolet light (PubMed:[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:[17102137](#), PubMed:[17116885](#), PubMed:[17296725](#), PubMed:[23359676](#), PubMed:[35585232](#)).

Cellular Location

Cytoplasm. Nucleus

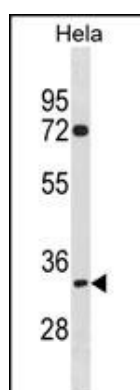
Background

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.

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)

Images



TIPIN Antibody (N-term) (Cat. #AP19596a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the TIPIN antibody detected the TIPIN protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.