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# TIPIN Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19596a

## Product Information

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|---|---|
| **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

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|---|---|
| **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

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|---|---|
| **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

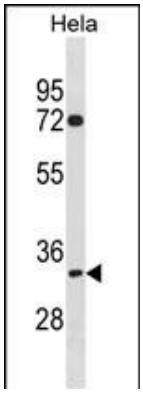
## Background

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'.