

## anti- TIMELESS antibody

### Product Information

Catalog No.:	FNab10381
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Plays an important role in the control of DNA replication, maintenance of replication fork stability, maintenance of genome stability throughout normal DNA replication and in the regulation of the circadian clock. Involved in the determination of period length and in the DNA damage-dependent phase advancing of the circadian clock. Negatively regulates CLOCK|NPAS2-ARTNL/BMAL1|ARTNL2/BMAL2-induced transactivation of PER1 possibly via translocation of PER1 into the nucleus. Forms a complex with TIPIN 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. Timeless promotes TIPIN nuclear localization. Involved in 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. May also play an important role in epithelial cell morphogenesis and formation of branching tubules.

### Immunogen information

Immunogen:	timeless homolog(Drosophila)
Synonyms:	FLJ12640, FLJ20714, hTIM, Protein timeless homolog, TIM, TIM1, TIMELESS, timeless homolog(Drosophila), TIMELESS1
Observed MW:	140-160kd

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Uniprot ID : Q9UNS1

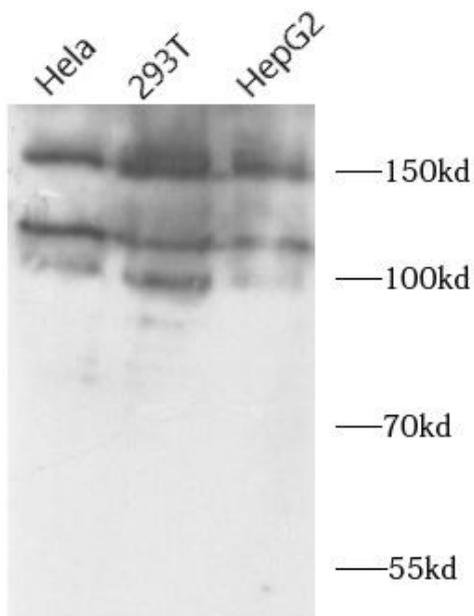
### Application

Reactivity: Human

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



Various lysates were subjected to SDS PAGE followed by western blot with FNab10381(TIMELESS antibody) at dilution of 1:1000

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