

Datasheet for ABIN5704508 **anti-TIMELESS antibody**



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Overview

Quantity:	100 µg
Target:	TIMELESS
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMELESS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	timeless homolog (Drosophila)
Isotype:	IgG

Target Details

Target:	TIMELESS
Alternative Name:	TIMELESS (TIMELESS Products)
Background:	Synonyms:FLJ12640, FLJ20714, hTIM, Protein timeless homolog, TIM, TIM1, TIMELESS, timeless homolog(Drosophila), TIMELESS1 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

Target Details

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.

Molecular Weight: 140 kDa

Gene ID: 8914

UniProt: [Q9UNS1](#)

Pathways: [Protein targeting to Nucleus](#), [Photoperiodism](#)

Application Details

Application Notes: WB : 1:500-1:5000 IP : 1:500-1:5000 IHC : 1:20-1:200

Comment: A549 cells were subjected to SDS PAGE followed by western blot with FNab08694(TIMELESS antibody) at dilution of 1:1000

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze / thaw cycles.

Storage: -20 °C

Expiry Date: 12 months