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Datasheet for ABIN7166188

anti-TIMELESS antibody (AA 1004-1131) (Biotin)

Overview

Quantity:	100 µg
Target:	TIMELESS
Binding Specificity:	AA 1004-1131
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMELESS antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Protein timeless homolog protein (1004-1131AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TIMELESS
Alternative Name:	TIMELESS (TIMELESS Products)
Background:	Background: Plays an important role in the control of DNA replication, maintenance of replication fork stability, maintenance of genome stability throughout normal DNA replication

Target Details

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.

Aliases: FLJ12640 antibody, FLJ20714 antibody, hTIM antibody, Protein timeless homolog antibody, TIM antibody, TIM_HUMAN antibody, TIM1 antibody, Timeless antibody, timeless circadian clock 1 antibody, timeless circadian clock antibody, timeless homolog antibody, TIMELESS1 antibody, Tof1 homolog antibody

UniProt: [Q9UNS1](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.