Datasheet for ABIN7602369

anti-TIMELESS antibody (AA 72-1050)

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Overview

Quantity:	100 µg
Target:	TIMELESS
Binding Specificity:	AA 72-1050
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMELESS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-TIMELESS Antibody Picoband®
Immunogen:	E.coli-derived human TIMELESS recombinant protein (Position: Q72-E1050).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-TIMELESS Antibody Picoband® (ABIN7602369). Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TIMELESS
Alternative Name:	TIMELESS (TIMELESS Products)
Background:	Synonyms: Protein argonaute-1,Argonaute1,hAgo1,Argonaute RISC catalytic component 1,Eukaryotic translation initiation factor 2C 1,eIF-2C 1,eIF2C 1,Putative RNA-binding protein Q99,AGO1,EIF2C1, Tissue Specificity: Detected in blood plasma (at protein level). Background: The protein encoded by this gene is highly conserved and is involved in cell survival after damage or stress, increase in DNA polymerase epsilon activity, maintenance of telomere length, and epithelial cell morphogenesis. The encoded protein also plays a role in the circadian rhythm autoregulatory loop, interacting with the PERIOD genes (PER1, PER2, and PER3) and others to downregulate activation of PER1 by CLOCK/ARNTL. Changes in this gene or its expression may promote prostate cancer, lung cancer, breast cancer, and mental disorders.
Molecular Weight:	160 kDa
Gene ID:	8914
Pathways:	Protein targeting to Nucleus, Photoperiodism

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Barnes, J. W., Tischkau, S. A., Barnes, J. A., Mitchell, J. W., Burgoon, P. W., Hickok, J. R., Gillette, M. U. Requirement of mammalian timeless for circadian rhythmicity. Science 302: 439-442, 2003. Note: Erratum: Science 302: 1153 only, 2003. 2. Busza, A., Emery-Le, M., Rosbash, M., Emery, P. Roles of the two Drosophila CRYPTOCHROME structural domains in circadian photoreception. Science 304: 1503-1506, 2004. 3. Chan, R. C., Chan, A., Jeon, M., Wu, T. F., Pasqualone, D., Rougvie, A. E., Meyer, B. J. Chromosome cohesion is regulated by a clock gene paralogue TIM-1. Nature 423: 1002-1009, 2003.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.