

Datasheet for ABIN2780562
anti-TIMELESS antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	TIMELESS
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Guinea Pig, Sheep, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMELESS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human TIMELESS
Sequence:	EEEDAVGKEP LKAAPKKRQL LDSDEEQEED EGRNRAPELG APGIQKKKRY
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 83%, Horse: 83%, Human: 100%, Mouse: 90%, Rat: 100%, Sheep: 100%, Yeast: 91%
Characteristics:	This is a rabbit polyclonal antibody against TIMELESS. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	TIMELESS
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Target Details

Alternative Name:	TIMELESS (TIMELESS Products)
Background:	The human Timeless protein interacts with both the circadian clock protein cryptochrome 2 and with the cell cycle checkpoint proteins Chk1 and the ATR-ATRIP complex and plays an important role in the DNA damage checkpoint response. Down-regulation of Timeless in human cells seriously compromises replication and intra-S checkpoints, indicating an intimate connection between the circadian cycle and the DNA damage checkpoints that is in part mediated by the Timeless protein. Alias Symbols: TIM, TIM1, hTIM Protein Interaction Partner: UBC, TUT1, TF, XRCC1, FKBP3, SP1, SUMO2, Tipin, Timeless, ZSCAN1, PCBD1, CRY1, PER2, PER1, CLSPN, PCNA, per, Clock, ATRIP, CRY2, CHEK1, Protein Size: 1208
Molecular Weight:	139 kDa
Gene ID:	8914
NCBI Accession:	NM_003920 , NP_003911
UniProt:	Q9UNS1
Pathways:	Protein targeting to Nucleus , Photoperiodism

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1208 AA
Restrictions:	For Research Use only

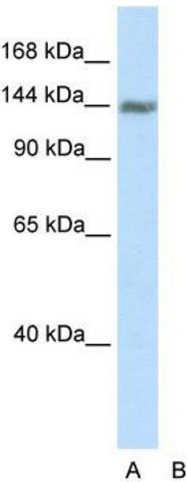
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-TIMELESS Antibody Titration:
2.5ug/ml ELISA Titer: 1:312500 Positive Control:
Transfected 293T