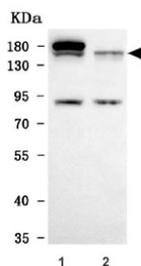


TIMELESS Antibody / TIM1 / TIM (RQ7417)

Catalog No.	Formulation	Size
RQ7417	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UNS1
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This TIMELESS antibody is available for research use only.



Western blot testing of human 1) HepG2 and 2) Jurkat cell lysate with TIMELESS antibody. Predicted molecular weight ~139 kDa.

Description

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.

Application Notes

Optimal dilution of the TIMELESS antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q72-E1050) was used as the immunogen for the TIMELESS antibody.

Storage

After reconstitution, the TIMELESS antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.