

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, IHC

Recommended dilutions:

ELISA:1:2000-1:5000, IHC:1:25-1:100

Protein 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 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.

Gene ID:

TMPRSS3

Uniprot

P57727

Synonyms:

transmembrane protease, serine 3

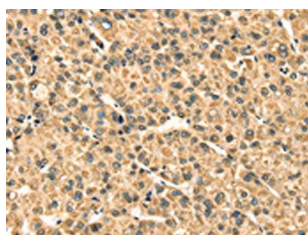
Immunogen:

Synthetic peptide of human TMPRSS3.

Storage:

-20° C, pH7.4 PBS, 0.05% NaN₃, 40% Glycerol

Product Images



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using PACO20719(TMPRSS3 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: x—200).