10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TELO2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP4808b

Specification

TELO2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y4R8

TELO2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9894

Other Names
Telomere length regulation protein TEL2 homolog, Protein clk-2 homolog, hCLK2, TELO2, KIAA0683

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TELO2 Antibody (C-term) Blocking Peptide - Protein Information

Name TELO2

Synonyms KIAA0683

Function
Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs. Promotes assembly, stabilizes and maintains the activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals. May be involved in telomere length regulation.

Cellular Location
Cytoplasm. Membrane. Nucleus. Chromosome, telomere

TELO2 Antibody (C-term) Blocking Peptide - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

TELO2 Antibody (C-term) Blocking Peptide - Images

TELO2 Antibody (C-term) Blocking Peptide - Background

TELO2 is a protein that functions as an S-phase checkpoint protein in the cell cycle. The protein may also play a role in DNA repair.

TELO2 Antibody (C-term) Blocking Peptide - References

Collis, S.J., et al. Mol. Cell 32(3):313-324(2008)Takai, H., et al. Cell 131(7):1248-1259(2007)Collis, S.J., et al. Nat. Cell Biol. 9(4):391-401(2007)