

TP53RK Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17010b**Specification**

TP53RK Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96S44](#)**TP53RK Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 112858

Other Names

TP53-regulating kinase, Atypical serine/threonine protein kinase TP53RK, EKC/KEOPS complex subunit TP53RK, 36--, Nori-2, p53-related protein kinase, TP53RK, C20orf64, PRPK

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.

TP53RK Antibody (C-term) Blocking Peptide - Protein InformationName TP53RK ([HGNC:16197](#))**Function**

Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine (PubMed:22912744, PubMed:27903914). The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37 (PubMed:22912744, PubMed:27903914). TP53RK has ATPase activity in the context of the EKC/KEOPS complex and likely plays a supporting role to the catalytic subunit OSGEP (By similarity). Atypical protein kinase that phosphorylates 'Ser-15' of p53/TP53 protein and may therefore participate in its activation (PubMed:11546806).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

Highly expressed in testis. Weakly expressed in heart kidney and spleen.

TP53RK Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TP53RK Antibody (C-term) Blocking Peptide - Images

TP53RK Antibody (C-term) Blocking Peptide - Background

Protein kinase that phosphorylates 'Ser-15' of p53/TP53 protein and may therefore participate in its activation.

TP53RK Antibody (C-term) Blocking Peptide - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)Facchin, S., et al. Cell. Mol. Life Sci. 64 (19-20), 2680-2689 (2007) :Abe, Y., et al. Biochem. Biophys. Res. Commun. 344(1):377-385(2006)Facchin, S., et al. FEBS Lett. 549 (1-3), 63-66 (2003) :Miyoshi, A., et al. Biochem. Biophys. Res. Commun. 303(2):399-405(2003)