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Mouse Tp53rk Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP14294c

Specification

Mouse Tp53rk Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q99PW4

Mouse Tp53rk Antibody (Center) Blocking Peptide - Additional Information

Other Names
TP53-regulating kinase, Atypical serine/threonine protein kinase Tp53rk, EKC/KEOPS complex subunit Tp53rk, 36--, Nori-2, p53-related protein kinase, Tp53rk, Prpk, Trp53rk

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.

Mouse Tp53rk Antibody (Center) Blocking Peptide - Protein Information

Name Tp53rkb {ECO:0000305}

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. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. 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 (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q96S44}.

Mouse Tp53rk Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

Mouse Tp53rk Antibody (Center) Blocking Peptide - Images

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Mouse Tp53rk Antibody (Center) Blocking Peptide - Background

Tp53rk is a protein kinase that phosphorylates 'Ser-15' of p53/TP53 protein and may therefore participate in its activation (By similarity).

Mouse Tp53rk Antibody (Center) Blocking Peptide - References

Blackshaw, S., et al. PLoS Biol. 2 (9), E247 (2004) :Abe, Y., et al. J. Biol. Chem. 276(47):44003-44011(2001)