RIOK3 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20884a

Specification

RIOK3 Blocking Peptide (Center) - Product Information

Primary Accession   O14730

RIOK3 Blocking Peptide (Center) - Additional Information

Gene ID 8780

Other Names
Serine/threonine-protein kinase RIO3, RIO kinase 3, sudD homolog, RIOK3, SUDD

Target/Specificity
The synthetic peptide sequence is selected from aa 146-159 of HUMAN RIOK3

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.

RIOK3 Blocking Peptide (Center) - Protein Information

Name RIOK3

Synonyms SUDD

Function
Involved in regulation of type I interferon (IFN)-dependent immune response which plays a critical role in the innate immune response against DNA and RNA viruses. May act as an adapter protein essential for the recruitment of TBK1 to IRF3 (PubMed:24807708). Phosphorylates IFIH1 on 'Ser-828' interfering with IFIH1 filament assembly on long dsRNA and resulting in attenuated IFIH1-signaling (PubMed:25865883). Can inhibit CASP10 isoform 7-mediated activation of the NF-kappaB signaling pathway (PubMed:19557502). May play a role in the biogenesis of the 40S ribosomal subunit. Involved in the processing of 21S pre-rRNA to the mature 18S rRNA (PubMed:22418843).

Cellular Location
Cytoplasm.

Tissue Location
Widely expressed..

RIOK3 Blocking Peptide (Center) - Protocols

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

• [Blocking Peptides](#)

RIOK3 Blocking Peptide (Center) - Images

RIOK3 Blocking Peptide (Center) - References

Anaya P.,et al.Gene 211:323-329(1998).
Nusbaum C.,et al.Nature 437:551-555(2005).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).
Greenman C.,et al.Nature 446:153-158(2007).