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POLDIP3 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20109a

Specification

POLDIP3 Blocking Peptide (N-term) - Product Information

Primary Accession	Q9BY77
Other Accession	Q8BG81, NP_115687.2

POLDIP3 Blocking Peptide (N-term) - Additional Information

Gene ID 84271

Other Names
Polymerase delta-interacting protein 3, 46 kDa DNA polymerase delta interaction protein, p46, S6K1 Aly/REF-like target, SKAR, POLDIP3, KIAA1649, PDIP46

Target/Specificity
The synthetic peptide sequence is selected from aa 108-120 of HUMAN POLDIP3

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.

POLDIP3 Blocking Peptide (N-term) - Protein Information

Name POLDIP3

Synonyms KIAA1649, PDIP46

Function
Is involved in regulation of translation. Is preferentially associated with CBC-bound spliced mRNA-protein complexes during the pioneer round of mRNA translation. Contributes to enhanced translational efficiency of spliced over nonspliced mRNAs. Recruits activated ribosomal protein S6 kinase beta-1 I/RPS6KB1 to newly synthesized mRNA. Involved in nuclear mRNA export; probably mediated by association with the TREX complex.

Cellular Location
Nucleus. Nucleus speckle. Cytoplasm. Note=Nucleocytoplasmic shuttling protein

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POLDIP3 Blocking Peptide (N-term) - Protocols

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

- Blocking Peptides

POLDIP3 Blocking Peptide (N-term) - Images

POLDIP3 Blocking Peptide (N-term) - Background

This gene encodes a protein that interacts with the DNA polymerase delta p50 subunit. This protein is a specific target of S6 kinase 1 and regulates cell growth. Two transcript variants that encode different protein isoforms have been identified. [provided by RefSeq].

POLDIP3 Blocking Peptide (N-term) - References

Ma, X.M., et al. Cell 133(2):303-313(2008)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
Smyk, A., et al. FEBS J. 273(20):4728-4741(2006)
Andersen, J.S., et al. Nature 433(7021):77-83(2005)
Richardson, C.J., et al. Curr. Biol. 14(17):1540-1549(2004)