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ZNF830 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20677c

Specification

ZNF830 Blocking Peptide (Center) - Product Information

Primary Accession	Q96NB3

ZNF830 Blocking Peptide (Center) - Additional Information

Gene ID 91603

Other Names
Zinc finger protein 830, Coiled-coil domain-containing protein 16, ZNF830, CCDC16

Target/Specificity
The synthetic peptide sequence is selected from aa 173-187 of HUMAN ZNF830

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.

ZNF830 Blocking Peptide (Center) - Protein Information

Name ZNF830 (HGNC:28291)

Function
May play a role in pre-mRNA splicing as component of the spliceosome (PubMed:25599396). Acts as an important regulator of the cell cycle that participates in the maintenance of genome integrity. During cell cycle progression in embryonic fibroblast, prevents replication fork collapse, double-strand break formation and cell cycle checkpoint activation. Controls mitotic cell cycle progression and cell survival in rapidly proliferating intestinal epithelium and embryonic stem cells. During the embryo preimplantation, controls different aspects of M phase. During early oocyte growth, plays a role in oocyte survival by preventing chromosomal breaks formation, activation of TP63 and reduction of transcription (By similarity).

Cellular Location
Nucleus. Chromosome {ECO:0000250|UniProtKB:Q8R1N0}. Nucleus speckle {ECO:0000250|UniProtKB:Q8R1N0}. Note=Excluded from nucleolus {ECO:0000250|UniProtKB:Q8R1N0}

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ZNF830 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

ZNF830 Blocking Peptide (Center) - Images

ZNF830 Blocking Peptide (Center) - Background

May act as a regulator of the cell cycle in embryos by participating in control of M phase (By similarity).

ZNF830 Blocking Peptide (Center) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Olsen J.V.,et al.Cell 127:635-648(2006).
Matsuoka S.,et al.Science 316:1160-1166(2007).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).