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KIF22 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21490c

Specification

KIF22 Blocking Peptide (Center) - Product Information

Primary Accession Q14807

KIF22 Blocking Peptide (Center) - Additional Information

Gene ID 3835

Other Names
Kinesin-like protein KIF22, Kinesin-like DNA-binding protein, Kinesin-like protein 4, KIF22, KID, KNSL4

Target/Specificity
The synthetic peptide sequence is selected from aa 397-407 of HUMAN KIF22

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.

KIF22 Blocking Peptide (Center) - Protein Information

Name KIF22

Synonyms KID, KNSL4

Function
Kinesin family member that is involved in spindle formation and the movements of chromosomes during mitosis and meiosis. Binds to microtubules and to DNA (By similarity). Plays a role in congression of laterally attached chromosomes in NDC80-depleted cells (PubMed:25743205).

Cellular Location
Nucleus. Cytoplasm, cytoskeleton

Tissue Location
Expressed in bone, cartilage, joint capsule, ligament, skin, and primary cultured chondrocytes

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KIF22 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

KIF22 Blocking Peptide (Center) - Images

KIF22 Blocking Peptide (Center) - Background

Kinesin family that is involved in spindle formation and the movements of chromosomes during mitosis and meiosis. Binds to microtubules and to DNA.

KIF22 Blocking Peptide (Center) - References

Tokai N.,et al.EMBO J. 15:457-467(1996).
Song J.,et al.Genomics 52:374-377(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.