10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

KIF22 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21475c

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 423-436 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.

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.

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

KIF22 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides