10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MKKS Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16289b

Specification

MKKS Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9NPJ1

MKKS Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 8195

Other Names
McKusick-Kaufman/Bardet-Biedl syndromes putative chaperonin, Bardet-Biedl syndrome 6 protein, MKKS, BBS6

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.

MKKS Antibody (C-term) Blocking Peptide - Protein Information

Name MKKS (HGNC:7108)

Function
Probable molecular chaperone that assists the folding of proteins upon ATP hydrolysis (PubMed:20080638). Plays a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia (PubMed:20080638). May play a role in protein processing in limb, cardiac and reproductive system development. May play a role in cytokinesis (PubMed:28753627).

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytosol Nucleus. Note=The majority of the protein resides within the pericentriolar material (PCM), a proteinaceous tube surrounding centrioles. During interphase, the protein is confined to the lateral surfaces of the PCM but during mitosis it relocalizes throughout the PCM and is found at the intercellular bridge. The MKSS protein is highly mobile and rapidly shuttles between the cytosol and centrosome

Tissue Location

Widely expressed in adult and fetal tissues.

MKKS Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MKKS Antibody (C-term) Blocking Peptide - Images

MKKS Antibody (C-term) Blocking Peptide - Background

MKKS is a protein with sequence similarity tothe chaperonin family. The encoded protein may have a role inprotein processing in limb, cardiac and reproductive systemdevelopment. Mutations in this gene have been observed in patientswith Bardet-Biedl syndrome type 6 and McKusick-Kaufman syndrome.Two transcript variants encoding the same protein have beenidentified for this gene.

MKKS Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Billingsley, G., et al. J. Med. Genet. 47(7):453-463(2010)Corpeleijn, E., et al. Obesity (Silver Spring) 18(7):1369-1377(2010)Mukherjee, K., et al. BMC Evol. Biol. 10, 64 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)