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FA83D Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP12519b

Specification

FA83D Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9H4H8

FA83D Antibody (C-term) Blocking peptide - Additional Information

Gene ID 81610

Other Names
Protein FAM83D, Spindle protein CHICA, FAM83D, C20orf129

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.

FA83D Antibody (C-term) Blocking peptide - Protein Information

Name FAM83D (HGNC:16122)

Function
Through the degradation of FBXW7, may act indirectly on the expression and downstream signaling of MTOR, JUN and MYC (PubMed:24344117). May play also a role in cell proliferation through activation of the ERK1/ERK2 signaling cascade (PubMed:25646692). May also be important for proper chromosome congression and alignment during mitosis through its interaction with KIF22 (PubMed:18485706).

Cellular Location
Cytoplasm. Cytoplasm, cytoskeleton, spindle Cytoplasm, cytoskeleton, spindle pole. Note=Primarily cytoplasmic during interphase, but at prophase, associates with spindle microtubules, with a clear concentration toward the spindle poles. It persists on spindle microtubules through metaphase and anaphase

Tissue Location
Expressed in the testis.

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FA83D Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

FA83D Antibody (C-term) Blocking peptide - Images

FA83D Antibody (C-term) Blocking peptide - Background

FA83D is required for proper chromosome congression and alignment during mitosis. Required for targeting KIF22/KID to the spindle microtubules.

FA83D Antibody (C-term) Blocking peptide - References

Santamaria, A., et al. Curr. Biol. 18(10):723-729(2008)Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)Deloukas, P., et al. Nature 414(6866):865-871(2001)