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FA83D Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12519b

Product Information

Application	WB, E
Primary Accession	Q9H4H8
Other Accession	NP_112181.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31471
Calculated MW	64424
Antigen Region	357-385

Additional Information

Gene ID	81610
Other Names	Protein FAM83D, Spindle protein CHICA, FAM83D, C20orf129
Target/Specificity	This FA83D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 357-385 amino acids from the C-terminal region of human FA83D.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FA83D Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

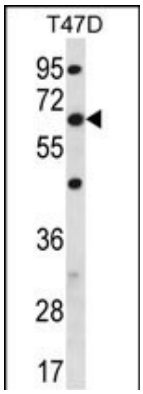
Background

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

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)

Images



FAM83D Antibody (C-term) (Cat. #AP12519b) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the FAM83D antibody detected the FAM83D protein (arrow).