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HAUS3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11303c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q68CZ6
Other Accession	NP_078787.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29101
Calculated MW	69650
Antigen Region	372-400

Additional Information

Gene ID	79441
Other Names	HAUS augmin-like complex subunit 3, HAUS3, C4orf15
Target/Specificity	This HAUS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 372-400 amino acids from the Central region of human HAUS3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	HAUS3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HAUS3
Synonyms	C4orf15
Function	Contributes to mitotic spindle assembly, maintenance of centrosome integrity and completion of cytokinesis as part of the HAUS augmin-like

complex.

Cellular Location Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle Note=Localizes to interphase centrosomes and to mitotic spindle microtubules.

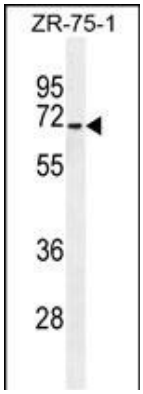
Background

HAUS3 is 1 of 8 subunits of the 390-kD human augmin complex, or HAUS complex. The augmin complex was first identified in Drosophila, and its name comes from the Latin verb 'augmentare,' meaning 'to increase.' The augmin complex is a microtubule-binding complex involved in microtubule generation within the mitotic spindle and is vital to mitotic spindle assembly (Goshima et al., 2008 [PubMed 18443220]; Uehara et al., 2009 [PubMed 19369198]).

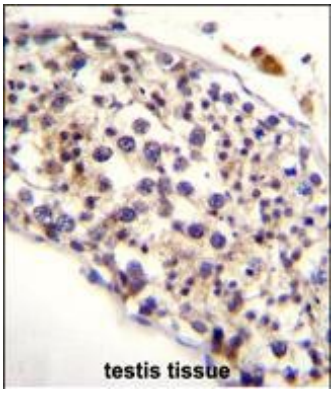
References

Shah, S.P., et al. Nature 461(7265):809-813(2009)
Lawo, S., et al. Curr. Biol. 19(10):816-826(2009)
Uehara, R., et al. Proc. Natl. Acad. Sci. U.S.A. 106(17):6998-7003(2009)
Goshima, G., et al. J. Cell Biol. 181(3):421-429(2008)

Images



HAUS3 Antibody (Center) (Cat. #AP11303c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the HAUS3 antibody detected the HAUS3 protein (arrow).



HAUS3 Antibody (Center) (Cat. #AP11303c)immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HAUS3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.