

# 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 372-400 **Antigen Region** 

## **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.

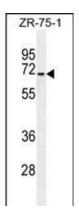
# **Background**

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]).

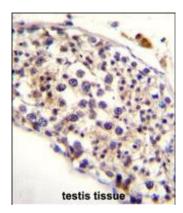
#### References

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.