



Rabbit Anti-CCDC5 antibody

SL6908R

Product Name:	CCDC5
Chinese Name:	卷曲螺旋结构域蛋白5抗体
Alias:	Coiled coil domain containing 5 (spindle associated); Coiled coil domain containing protein 5; Coiled-coil domain-containing protein 5; Enhancer of invasion cluster; Enhancer of invasion-cluster; HAUS augmin-like complex subunit 1; HAUS1; HAUS1_HUMAN; HEI-C; HEIC; HsT1461.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	31kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CCDC5:101-200/278
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	HAUS1 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]).[supplied by OMIM, Jun 2010].

Function:

Contributes to mitotic spindle assembly, maintenance of centrosome integrity and completion of cytokinesis as part of the HAUS augmin-like complex.

Subunit:

Component of the HAUS augmin-like complex. The complex interacts with the gamma-tubulin ring complex and this interaction is required for spindle assembly. Associates with microtubules. The interaction with microtubules is strong during mitosis, while it is weak or absent during interphase. It is unclear whether this interaction is direct or indirect.

Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton, centrosome. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Note=Localizes with the spindle poles in mitotic cells. In metaphase, localizes to the mitotic asters and is highly punctate on the microtubule array. During later stages of mitosis, remains on the spindle but is not present at the interzone, and is finally observed at the microtubule bundles proximal to the midbody, clearly excluded from the midbody. In contrast, does not colocalize with the tubulin cytoskeleton in interphase cells. In interphase, localized at the centrosome and diffusely in the cytoplasm.

Tissue Specificity:

Widely expressed. Expressed in pancreas, kidney, skeletal muscle, liver and heart. Weakly expressed in lung, brain and placenta.

Similarity:

Belongs to the HAUS1 family.

SWISS:

Q96CS2

Gene ID:

115106

Database links:

[Entrez Gene: 115106](#)Human

[Omim: 608775](#)Human

[SwissProt: Q96CS2](#)Human

[Unigene: 436617](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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