antibodies

Datasheet for ABIN7149368 anti-CKAP5 antibody (AA 1802-2019)

4 Images



Overview

Quantity:	100 µg
Target:	CKAP5
Binding Specificity:	AA 1802-2019
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CKAP5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

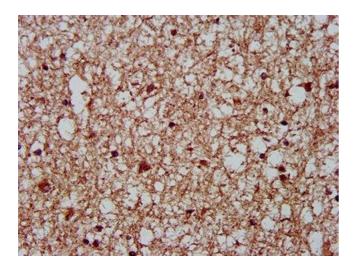
Immunogen:	Recombinant Human Cytoskeleton-associated protein 5 protein (1802-2019AA)
Isotype:	lgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

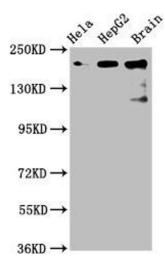
Target Details

Target:	CKAP5
Alternative Name:	CKAP5 (CKAP5 Products)
Background:	Background: Binds to the plus end of microtubules and regulates microtubule dynamics and
	microtubule organization. Acts as processive microtubule polymerase. Promotes cytoplasmic

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	microtubule nucleation and elongation. Plays a major role in organizing spindle poles. In spindle
	formation protects kinetochore microtubules from depolymerization by KIF2C and has an
	essential role in centrosomal microtubule assembly independently of KIF2C activity.
	Contributes to centrosome integrity. Acts as component of the TACC3/ch-TOG/clathrin
	complex proposed to contribute to stabilization of kinetochore fibers of the mitotic spindle by
	acting as inter-microtubule bridge. The TACC3/ch-TOG/clathrin complex is required for the
	maintenance of kinetochore fiber tension (PubMed:23532825). Enhances the strength of
	NDC80 complex-mediated kinetochore-tip microtubule attachments (PubMed:27156448).
	Aliases: CKAP5 antibody, KIAA0097Cytoskeleton-associated protein 5 antibody, Colonic and
	hepatic tumor overexpressed gene protein antibody, Ch-TOG antibody
UniProt:	Q14008
Pathways:	M Phase
Application Details	
Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



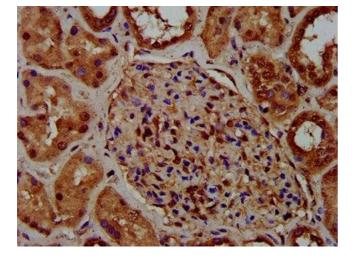


Immunohistochemistry

Image 1. IHC image of ABIN7149368 diluted at 1:400 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, Rat brain tissue All lanes: CKAP5 antibody at 6 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 226, 219, 227 kDa Observed band size: 226 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7149368 diluted at 1:400 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the product details page for more images. Overall 4 images are available for ABIN7149368.

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