

Rabbit anti-Human, Rat CKAP5 Polyclonal Antibody | anti-CKAP5 antibody

CKAP5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234626	Rabbit	Human, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

CKAP5; Polyclonal Antibody; CKAP5 Antibody; Cytoskeleton-associated protein 5; Colonic and hepatic tumor overexpressed gene protein; Ch-TOG; KIAA0097; anti-CKAP5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	2032
Applicable Applications for anti-CKAP5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Cytoskeleton-associated protein 5 protein (1802-2019AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA234626 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



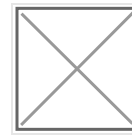
IHC (Immunohistochemistry)

IHC image of AAA234626 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



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IHC image of AAA234626 diluted at 1:400 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ 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 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, Rat brain tissueAll lanes: CKAP5 antibody at 6ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 226, 219, 227 KDaObserved band size: 226 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-CKAP5 antibody	Binds to the plus end of microtubules and regulates microtubule dynamics and microtubule organization. Acts as processive microtubule polymerase. Promotes cytoplasmic 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).
Product Categories/Family for anti-CKAP5 antibody	Cancer ; Cell biology ; Tags & Cell Markers ; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	57164942
NCBI GeneID	9793
NCBI Accession #	NP_001008938.1
NCBI GenBank Nucleotide #	NM_001008938.3
UniProt Accession #	Q14008 ; Q05D70 ; Q0VAX7 ; Q0VAX8 ; Q14668 ; Q2TA89 ; Q6NSH4
Molecular Weight	226,258 Da
NCBI Official Full Name	cytoskeleton-associated protein 5 isoform a
NCBI Official Synonym Full Names	cytoskeleton associated protein 5
NCBI Official Symbol	CKAP5
NCBI Official Synonym Symbols	TOG; MSPS; TOGp; CHTOG; ch-TOG
NCBI Protein Information	cytoskeleton-associated protein 5
UniProt Protein Name	Cytoskeleton-associated protein 5
UniProt Gene Name	CKAP5
UniProt Synonym Gene Names	KIAA0097; Ch-TOG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ckap5-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234626>