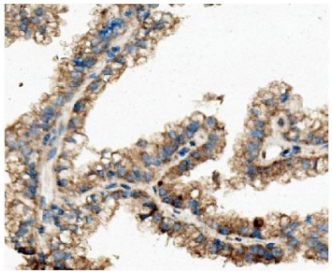
CKAP5 Antibody / Ch-TOG (RQ6219)

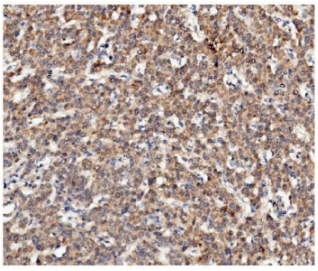
Catalog No.	Formulation	Size
RQ6219	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

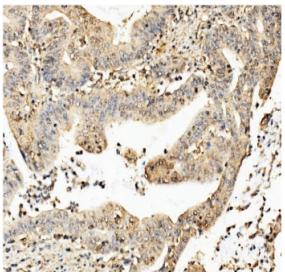
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q14008
Localization	Cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This CKAP5 antibody is available for research use only.



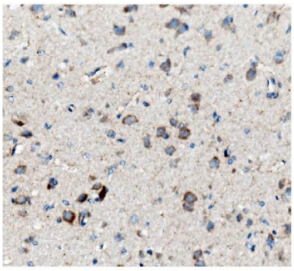
IHC staining of FFPE human renal cancer with CKAP5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



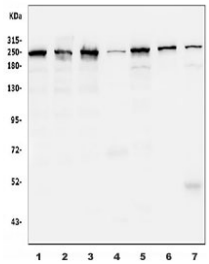
IHC staining of FFPE human liver cancer with CKAP5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



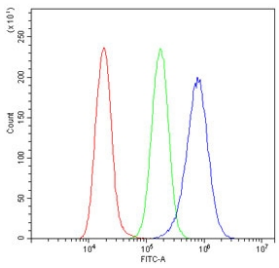
IHC staining of FFPE human rectal cancer with CKAP5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain with CKAP5 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) U-87 MG, 2) COLO-320, 3) SW620, 4) HepG2, 5) Caco-2, 6) rat brain and 7) mouse brain lysate with CKAP5 antibody. Predicted molecular weight ~225 kDa.



Flow cytometry testing of human A549 cells with CKAP5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CKAP5 antibody.

Description

Cytoskeleton-associated protein 5 is a microtubule-associated protein that in humans is encoded by the CKAP5 gene. It is mapped to 11p11.2. This gene encodes a cytoskeleton-associated protein which belongs to the TOG/XMAP215 family. The N-terminal half of this protein contains a microtubule-binding domain and the C-terminal half contains a KXGS motif for binding tubulin dimers. This protein has two distinct roles in spindle formation; it protects kinetochore microtubules from depolymerization and plays an essential role in centrosomal microtubule assembly. This protein may be necessary for the proper interaction of microtubules with the cell cortex for directional cell movement. It also plays a role in translation of the myelin basic protein (MBP) mRNA by interact ernatively spliced transcript variants encoding different isoforms have been identified.

Application Notes

Optimal dilution of the CKAP5 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids M1-L221) was used as the immunogen for the CKAP5 antibody.

Storage

After reconstitution, the CKAP5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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