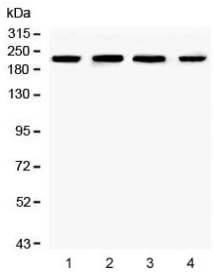
Ch-TOG Antibody / CKAP5 (RQ5238)

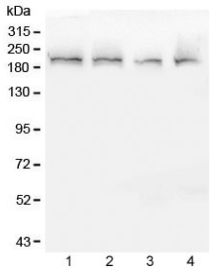
Catalog No.	Formulation	Size
RQ5238	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

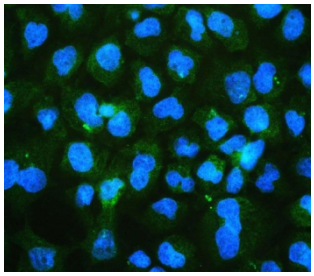
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q14008
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunocytochemistry/Immunofluorescence : 2-4ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Ch-TOG antibody is available for research use only.



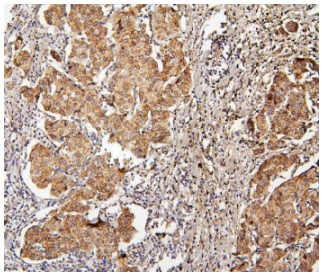
Western blot testing of human 1) K562, 2) HL60, 3) HEK293 and 4) PC-3 cell lysate with Ch-TOG antibody. Predicted molecular weight ~225 kDa.



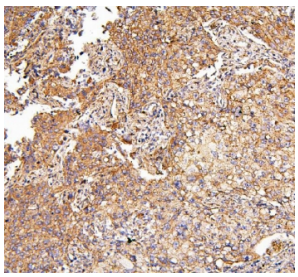
Western blot testing of 1) rat thymus, 2) mouse kidney, 3) mouse thymus and 4) mouse SP20 lysate with Ch-TOG antibody. Predicted molecular weight ~225 kDa.



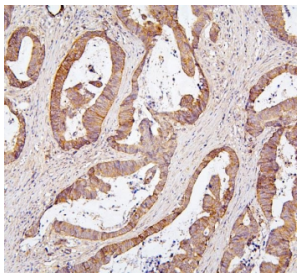
Immunofluorescent staining of FFPE human A431 cells with Ch-TOG antibody (green) and DAPI nuclear stain (blue). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



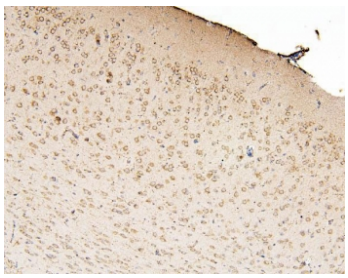
IHC staining of FFPE human breast cancer with Ch-TOG antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer with Ch-TOG antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE human intestinal cancer with Ch-TOG antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



IHC staining of FFPE mouse brain with Ch-TOG antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.

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.

Application Notes

Optimal dilution of the Ch-TOG antibody should be determined by the researcher.

Immunogen

Amino acids M1-L221 from the human protein were used as the immunogen for the Ch-TOG antibody.

Storage

Store the Ch-TOG antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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