

ch-TOG Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 34032

Size: 100ul antiserum

SPECIFICATION SUMMARY

Antigen: NH₂ terminal cysteine-peptide corresponding to aa 2019-2032 in the carboxyl terminal region of human ch-TOG coupled to KLH:

NH₂-CDLKKRLERIKSSRK-COOH.

Host Species: Rabbit

Antibody Class: Polyclonal

Preservatives: None. Available on request.

BACKGROUND

Colonic and hepatic tumor over-expressed protein (ch-TOG) belongs to the TOG/XMAP215/Dis1 evolutionarily ancient family of microtubule-associated proteins with isoforms found in all major kingdoms of eukaryotes. This protein is required for the assembly and function of the meiotic or mitotic spindles during cell division and is localized to microtubule-organizing centers (MTOCs) during interphase or to the spindle poles and centrosomes during mitosis or cytokinesis.

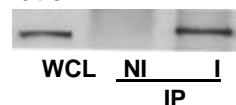
SPECIFICITY

This antibody recognizes human and mouse ch-TOG. A BLAST search demonstrated 100% identity to the peptide immunogen in human, mouse, rat, chimpanzee, dog, cow, chicken, opossum, and frog.

APPLICATIONS

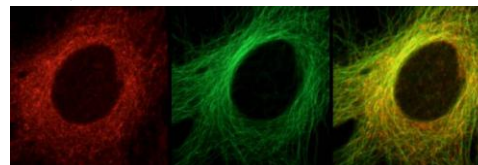
Immunoblotting: use at 1:5,000-1:10,000 dilution. A band of approx. 215kDa is detected.

Immunoprecipitation: use at 1:5,000-1:10,000 dilution.



Western blot on human Hela whole cell lysate (**WCL**) and ch-TOG immunoprecipitated (**I**) from mouse embryonic fibroblast whole cell lysate. The ch-TOG antibody did not react with the mouse embryonic fibroblast whole cell lysate when non-immune sera (**NI**) was used in the immunoprecipitation reaction. Proteins were resolved and transferred from a 9% SDS-PAGE.

Immunofluorescence: use at 1:5,000-1:10,000 dilution.



Immunofluorescent images (100X) of a mouse fibroblast cell line labeled with ch-TOG (red), microtubules (green) demonstrating ch-TOG localizes with microtubules (yellow).

These are recommended concentrations. User should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.