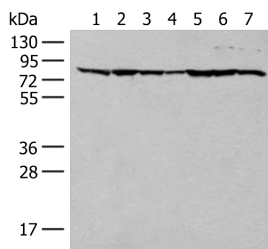


TUBGCP4 Polyclonal Antibody

Catalog No.	E-AB-52657	Reactivity	H,M
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,ELISA	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western blot analysis of HT-29 NIH/3T3 231 HeLa RAW264.7 K562 and LOVO cell lysates using TUBGCP4 Polyclonal Antibody at dilution of 1:300

Immunogen Information

Immunogen	Fusion protein of human TUBGCP4
Gene Accession	BC009870
Swissprot	Q9UGJ1
Synonyms	76P,FLJ14797,GCP4,GCP4,Grip76,h76p,hGCP4,Hgrip76,TUBGCP 4

Product Information

Calculated MW	76 kDa
Observed MW	Refer to figures
Buffer	PBS with 0.05% NaN ₃ and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	WB 1:500-1:2000, ELISA 1:5000-1:10000

Background

This gene encodes a component of the gamma-tubulin ring complex, which is required for microtubule nucleation. In mammalian cells, the protein localizes to centrosomes in association with gamma-tubulin. Crystal structure analysis revealed a structure composed of five helical bundles arranged around conserved hydrophobic cores. An exposed surface area located in the C-terminal domain is essential and sufficient for direct binding to gamma-tubulin. Mutations in this gene that alter microtubule organization are associated with microcephaly and chorioretinopathy. Alternative splicing results in multiple transcript variants. TUBGCP4 (Tubulin Gamma Complex Associated Protein 4) is a Protein Coding gene. Diseases associated with TUBGCP4 include Microcephaly And Chorioretinopathy, Autosomal Recessive, 3 and Autosomal Recessive Chorioretinopathy-Microcephaly Syndrome. Among its related pathways are Regulation of PLK1 Activity at G2/M Transition and Cell Cycle, Mitotic. GO annotations related to this gene include structural constituent of cytoskeleton. An important paralog of this gene is TUBGCP6.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.