TUBGCP4 Polyclonal Antibody

Catalog Number:E-AB-52657

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

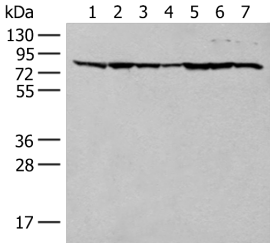
Description

Reactivity	Human, Mouse
Immunogen	Fusion protein of human TUBGCP4
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4

Applications — Recommended Dilution

WB	1:500-1:2000
ELISA	1:5000-1:10000

Data



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

Observed MW:Refer to figures

Calculated Mw:76 kDa

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

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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Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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