TUBGCP4 Polyclonal Antibody

catalog number: E-AB-52657

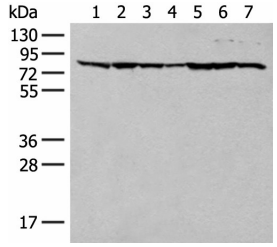
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Fusion protein of human TUBGCP4
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000

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°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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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