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Datasheet for ABIN1695850

anti-TUBGCP4 antibody (AA 101-200) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	TUBGCP4
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TUBGCP4 antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GCP4
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	TUBGCP4
Alternative Name:	GCP4 (TUBGCP4 Products)
Background:	Synonyms: 76P, FLJ14797, Gamma tubulin complex component 4, Gamma tubulin ring

Target Details

complex protein 76p gene, Gamma tubulin ring complex protein, GCP 4, GCP4, h76p, hGCP4, Hgrip76, TUBGCP 4, TUBGCP4, Tubulin gamma complex associated protein 4, GCP4_HUMAN.

Background: The gamma-Tubulin complex is composed of gamma Tubulin and the gamma-Tubulin complex-associated proteins GCP2, GCP3, GCP4, GCP5 and GCP6, all of which are essential components of microtubule organizing centers. gamma-Tubulin complex components are localized to both the centrosome, where they are involved in microtubule nucleation, and to the cytoplasm, where they exist as soluble complexes that can be recruited to the centrosome as needed. Although the GCP proteins are related, they have distinct roles which contribute to the proper function of the gamma-Tubulin complex. GCP4 (gamma-tubulin complex component 4), also known as TUBGCP4, is a ubiquitously expressed 667 amino acid member of the gamma-Tubulin complex that localizes to the metaphase spindle during mitosis. In response to proteasome inhibition, GCP4 exhibits increased accumulation at the pericentriolar material where it participates in microtubule organization and nucleation.

Gene ID: 27229

Pathways: [M Phase](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months