

CCDC37 polyclonal antibody

Catalog: BS31439

Host: Rabbit

Reactivity: Human

BackGround:

Cilia- and flagella-associated protein 100: Microtubule-associated protein that promotes microtubule polymerization and regulates microtubule organization. Plays a critical role in ensuring proper epidermal development and function by regulating mitosis in keratinocytes. Maintains spindle pole integrity during keratinocyte division through the recruitment of the microtubule glutamylase TTL13 to spindle poles, thereby enhancing localized microtubule glutamylation. This modification stabilizes spindle microtubules, ensuring accurate spindle assembly, faithful chromosome segregation, and efficient mitotic progression. May play a role in ciliary/flagellar motility by regulating the assembly and the activity of axonemal inner dynein arm.

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~71.1 kDa

Swiss-Prot:

Q494V2

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CCDC37 protein.

DATA:



Western blot analysis of NCOR1 expression in HepG2 (A), CT26 (B) whole cell lysates.

Immunohistochemical analysis of NCOR1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of NCOR1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Note:

For research use only, not for use in diagnostic procedure.

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