



PRODUCT DATA SHEET

Bioworld Technology, Inc.

CBY3 polyclonal antibody

Catalog: BS33544

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Sperm annulus positioning complex subunit Chibby3: Plays a key role in the correct positioning of the annulus, a septin-based ring structure in the sperm flagellum, serving both as a physical barrier and a membrane diffusion barrier that separates the midpiece (MP) from the principal piece (PP) (By similarity). This positioning is essential for proper sperm motility and function (By similarity). CBY3 interacts with CIBAR1 to form a complex which localizes to the curved membrane region of the flagellar pocket (By similarity). By doing so, may provide stability and rigidity to the periannular membrane to prevent membrane deformation (By similarity). This function is crucial for halting annulus migration at the proximal end of the fibrous sheath-containing PP (By similarity)

Product:

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

Molecular Weight:

~27.3 kDa

Swiss-Prot:

A6NI87

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 CBY3 protein

DATA:

Western blot analysis of ZSCAN5C expression in MDAMB231 (A) whole cell lysates.

Note:

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

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