



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

### Septin 12 polyclonal antibody

Catalog: BS32172

Host: Rabbit

Reactivity: Human

#### BackGround:

Septin-12: Filament-forming cytoskeletal GTPase (By similarity). Involved in the morphogenesis of sperm heads and the elongation of sperm tails probably implicating the association with alpha- and beta-tubulins . Facilitates the formation of Septin filament structures with SEPTIN7, SEPTIN6, SEPTIN2 and SEPTIN4 at the sperm annulus . Correct formation of the annulus is required for development of normal structural morphology and motility of the sperm during steps 13 to 16 of spermiogenesis . Essential component of the LMNB1/SUN5/SEPT12 bridge that connects the sperm proximal centriole to the implantation fossa, the bridge functions to prevent detachment of the proximal centriole from the posterior nucleus during steps 13 to 16 of spermiogenesis . Required for PLCZ1 localization at the sperm acrosome during spermiogenesis (By similarity). May also play a role in the initiation of calcium oscillati...

#### Product:

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

#### Molecular Weight:

~40.7 kDa

#### Swiss-Prot:

Q8IYM1

#### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

#### Applications:

WB (1/500 - 1/1000)

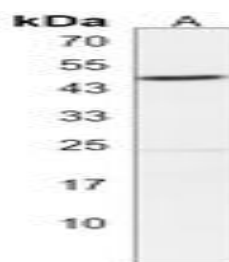
#### Storage&Stability:

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

#### Specificity:

Recognizes endogenous levels of Septin 12 protein.

#### DATA:



Western blot analysis of Fibrinogen beta expression in mouse heart (A), mouse liver (B) whole cell lysates.

#### Note:

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

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