SLC22A14 polyclonal antibody

Catalog: BS35180 Host: Rabbit Reactivity: Human

BackGround:

Solute carrier family 22 member 14: Riboflavin transporter localized at the inner mitochondrial membrane of the spermatozoa midpiece, which is required for male fertility (By similarity). SLC22A14-mediated riboflavin transport is essential for spermatozoa energy generation and motility: riboflavin is the precursor of FMN and FAD, which are coenzymes of many enzymes in the TCA cycle (the citric acid cycle) in mitochondria (By similarity). Required for sperm motility and normal sperm flagellar structure (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:

~66.7 kDa

Swiss-Prot:

Q9Y267

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of SLC22A14 protein

DATA:

Western blot analysis of ATF2 (Phospho-T73) expression in HeLa UV-treated (A), NIH3T3 (B), PC12 (C) whole cell lysates. Immunohistochemical analysis of ATF2 (Phospho-T73) staining in human prostate 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.

Note:

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

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