

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



ATP7A (H640) Peptide

Cat No.: BS3695P

Background

ATP7A (also known as Copper-transporting ATPase 1) functions as a transmembrane copper-translocating P-type ATPase and plays a vital role in systemic copper absorption in the gut and copper reabsorption in the kidney. Polarized epithelial cells such as Madin-Darby canine kidney cells are a physiologically relevant model for systemic copper absorption and reabsorption in vivo. Although ATP7A is not detectable in most normal tissues, it is expressed in a considerable fraction of many common tumor types. Increased expression of ATP7A renders cells resistant to cisplatin and carboplatin. Mutations in the ATP7A gene result in Menkes disease, which is fatal in early childhood.

Swiss-Prot

Q04656

Applications

Blocking

Specificity

This peptide can be used with studies using BS3695 ATP7A (H640) pAb.

Purification & Purity

Synthetic peptide ATP7A (H640). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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