

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Nephrin (H892) Peptide

Cat No.: BS3462P

#### Background

Nephrin is a member of the immunoglobulin family of cell adhesion molecules that localizes to opposing sites of the secondary foot processes formed by podocytes, a specialized epithelial cell that ensures size- and charge-selective ultrafiltration. The human nephrin gene maps to chromosome 19q13.1 and encodes a 1,241 amino acid protein that contains a transmembrane domain, 8 Ig-like modules, and 1 fibronectin III-like module. Nephrin is expressed in embryonic and adult kidneys and localizes to glomerular podocytes and the glomerular slit diaphragm. Nephrin stimulates mitogen-activated protein kinases and is enhanced by podocin, which binds to the cytoplasmic tail of nephrin.

#### Swiss-Prot

O60500

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3462 Nephrin (H892) pAb.

#### Purification & Purity

Synthetic peptide Nephrin (H892). (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.