

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### X11 $\gamma$ (R401) Peptide

Cat No.: BS3806P

#### Background

Amyloid  $\beta$  precursor protein ( $\beta$  APP) is a major constituent of the amyloid deposits in patients with Alzheimer's disease. The amyloid  $\beta$  precursor is known to interact with several proteins, including the G heterotrimeric protein, APP-BP1, and X11. The neuronal, transmembrane protein X11 is known to bind to the amyloid  $\beta$  precursor protein via a phosphotyrosine binding (PTB) domain, reducing the secretion of cellular  $\beta$  APP and slowing  $\beta$  APP processing pathways. X11 binds specifically to the YENPTY motif, which is involved in the internalization of  $\beta$  APP. Multiple splice variants of X11 have been identified, including X11  $\alpha$ ,  $\beta$  and  $\gamma$  (also known as Mint 1, 2 and 3, respectively).

#### Swiss-Prot

O96018

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3806 X11 $\gamma$  (R401) pAb.

#### Purification & Purity

Synthetic peptide X11 $\gamma$  (R401). (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.