

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



UBE2D2 Peptide

Cat No.: BS5969P

Background

Rub1 shares 53% homology with ubiquitin and requires activation via the E2 proteins, including Ula1, Uba3 and Ubc12, in order to conjugate to substrates directed to different proteolytic systems. UBE2D2 catalyzes ubiquitination of IκBα in a phosphorylation and SCFB-TRCP dependent manner. In this particular reaction, E1 first transfers ubiquitin to the E2 component UBE2D2, and UBE2D2 then associates with E3 ligase, which conjugates the poly-ubiquitin chain on a target protein. In this fashion, the chain tags the IκBα for degradation by a proteasome thus lifting the inhibitory effect of IκBα on NFκB and allowing NFκB to enter the nucleus.

Swiss-Prot

P62837

Applications

Blocking

Specificity

This peptide can be used with studies using BS5969 UBE2D2 pAb.

Purification & Purity

Synthetic peptide UBE2D2. (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.