

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



N4BP1 (Y415) Peptide

Cat No.: BS3340P

Background

Nedd4-binding partner-1 (N4BP1) has been identified as a protein interactor and a substrate of the homologous to E6AP C terminus (HECT) domain-containing E3 ubiquitin-protein ligase (E3), Nedd4. Here, we describe a previously unrecognized functional interaction between N4BP1 and Itch, a Nedd4 structurally related E3, which contains four WW domains, conferring substrate-binding activity. We show that N4BP1 association with the second WW domain (WW2) of Itch interferes with E3 binding to its substrates. In particular, we found that N4BP1 and p73 α , a target of Itch-mediated ubiquitin/proteasome proteolysis, share the same binding site. By competing with p73 α for binding to the WW2 domain, N4BP1 reduces the ability of Itch to recruit and ubiquitylate p73 α and inhibits Itch autoubiquitylation activity both in in vitro and in vivo ubiquitylation assays.

Swiss-Prot

O75113

Applications

Blocking

Specificity

This peptide can be used with studies using BS3340 N4BP1 (Y415) pAb.

Purification & Purity

Synthetic peptide N4BP1 (Y415). (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.

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