

N4BP1 (Y415) polyclonal antibody

Catalog: BS3340

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 120 kDa

Swiss-Prot:

O75113

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

Storage&Stability:

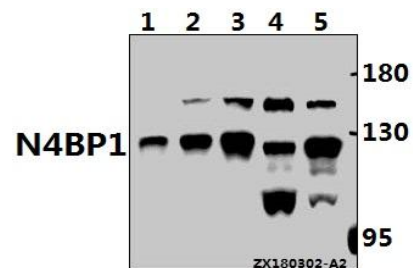
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

N4BP1 (Y415) polyclonal antibody detects endogenous levels of N4BP1 protein.

DATA:



Western blot (WB) analysis of N4BP1 (Y415) pAb at 1:1000 dilution

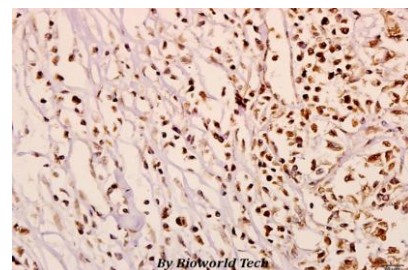
Lane1:A2780 whole cell lysate(20ug)

Lane2:A549 whole cell lysate(20ug)

Lane3:HEK293 whole cell lysate(20ug)

Lane4:PC12 whole cell lysate(40ug)

Lane5:AML-12 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of N4BP1 (Y415) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.

Note:

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

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