

Anti-N4BP1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A12575-3-Fluoro488

About N4BP1

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 p73alpha, a target of Itch-mediated ubiquitin/proteasome proteolysis, share the same binding site. By competing with p73alpha for binding to the WW2 domain, N4BP1 reduces the ability of Itch to recruit and ubiquitylate p73alpha and inhibits Itch autoubiquitylation activity both in in vitro and in vivo ubiquitylation assays.

Overview

Product Name	Anti-N4BP1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O75113

Technical Details

Immunogen	E.coli-derived human N4BP1 recombinant protein (Position: M1-K885).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm

	Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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