

Recombinant human NEDD4 protein ab95927

画像数 2

製品の詳細

製品名	Recombinant human NEDD4 protein
生理活性	Specific Activity: 0.0027 pmol/min/μg. Assay conditions: 50 μl reaction mix (4mM ATP, 5mM MgCl ₂ , 1mM DTT, E1 (0.5 μg), E2 (2.8 μg), Biotin-Ubiquitin (0.5 μg) and NEDD4 (0-2 μg) in 50mM Tris pH 7.4) incubate for 30min at 37°C, then add to streptavidin coated plates and incubate for 30min at 37°C. Add antibody against NEDD4, incubate 1h. Finally, incubate 1h with the Europium-labeled secondary antibody. Time resolved fluorescence measured at room temperature (Lambda exc=330 nm, Lambda em=620 nm). Specific Activity: 0.0027 pmol/min/μg. Assay conditions: 50 μl reaction mix (4mM ATP, 5mM MgCl ₂ , 1mM DTT, E1 (0.5 μg), E2 (2.8 μg), Biotin-Ubiquitin (0.5 μg) and NEDD4 (0-2 μg) in 50mM Tris pH 7.4) incubate for 30min at 37°C, then add to streptavidin coated plates and incubate for 30min at 37°C. Add antibody against NEDD4, incubate 1h. Finally, incubate 1h with the Europium-labeled secondary antibody. Time resolved fluorescence measured at room temperature (Lambda exc=330 nm, Lambda em=620 nm).
精製度	> 60 % SDS-PAGE. Affinity purified.
発現系	Baculovirus infected insect cells
アクセッション番号	P46934
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	86 kDa including tags
領域	150 to 900
タグ	DDDDK tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab95927** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE
	Functional Studies

製品の状態

Liquid

前処理および保存

保存方法および安定性

Shipped on Dry Ice. Store at -80°C.

pH: 8.00

Constituents: 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

100 µg/ml FLAG peptide

This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

機能

E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in the pathway leading to the degradation of VEGFR-2/KDFR, independently of its ubiquitin-ligase activity. Monoubiquitinates IGF1R at multiple sites, thus leading to receptor internalization and degradation in lysosomes. According to PubMed:18562292 the direct link between NEDD4 and PTEN regulation through polyubiquitination described in PubMed:17218260 is questionable. Involved in ubiquitination of ERBB4 intracellular domain E4ICD. Involved in the budding of many viruses. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. Ubiquitinates TNK2 and regulates EGF-induced degradation of EGFR and TNF2.

パスウェイ

Protein modification; protein ubiquitination.

配列類似性Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain.
Contains 4 WW domains.**ドメイン**

The WW domains mediate interaction with LITAF, RNF11, WBP1, WBP2, TMEPAI, NDFIP1 and PRRG2.

翻訳後修飾

Auto-ubiquitinated.

細胞内局在

Cytoplasm. Cell membrane. Recruited to the plasma membrane by GRB10. Once complexed with GRB10 and IGF1R, follows IGF1R internalization, remaining associated with early endosomes. Uncouples from IGF1R-containing endosomes before the sorting of the receptor to the lysosomal compartment (By similarity). May be recruited to exosomes by NDFIP1.

画像

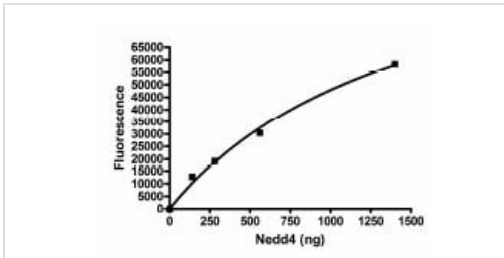
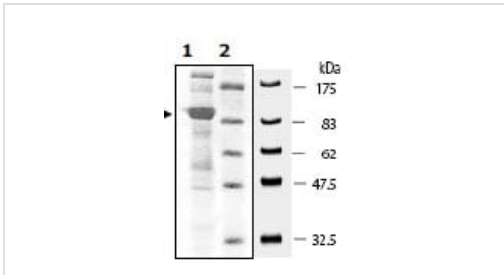


Image showing specific activity of ab95927.

Functional Studies - Recombinant human NEDD4 protein (ab95927)



10% SDS-PAGE analysis

Lane 1: ab95927 (4µg)

Lane 2: Molecular weight markers

SDS-PAGE - Recombinant human NEDD4 protein (ab95927)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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