

Product datasheet

Recombinant Human NDFIP2 protein ab162801

1 Image

Overview

Product name	Recombinant Human NDFIP2 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	MDHHQPGTGTRYQVLLNEEDNSESSAIEQPPTSNPAPQ NQAASSAPALET DSSPPPYSSITVEVPTTSDTEVYGEFYPVPPPYSVATS LPTYDEAEKAKA AMAAAAAAETSQRIQEEECPPRDDFSDADQLRVGND GIFMLAFFMAFIFN WLGFCLSFCITNTIAGRYGAICGFGLSLIKWILVRFSDYF TGYFNGQYW LWWIFLVLGLLLFFRGFVNYLKVRNMSESMAAAHRTRY FFLL
Amino acids	1 to 242
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab162801** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function

Activates HECT domain-containing E3 ubiquitin-protein ligases, including ITCH, NEDD4, NEDD4L, SMURF2, WWP1 and WWP2, and consequently modulates the stability of their targets. As a result, may control many cellular processes. Recruits ITCH, NEDD4 and SMURF2 to endosomal membranes. May modulate EGFR signaling.

Tissue specificity

Expressed in brain, lung, heart, skeletal muscle, kidney, liver and placenta.

Domain

The PY (WW-binding) motifs are required for E3 ubiquitin-protein ligase activation and for ubiquitination.

Post-translational modifications

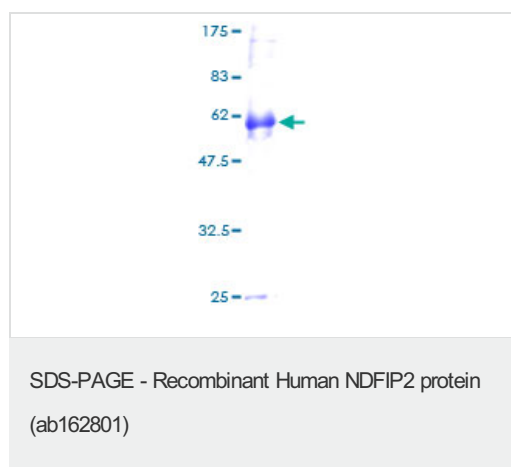
Ubiquitinated by NEDD4 and ITCH. Also ubiquitinated by NEDD4L. Ubiquitination by NEDD4 or NEDD4L does not affect turnover.

Undergoes transient tyrosine-phosphorylation following EGF stimulation, most probably catalyzed by SRC. Also phosphorylated by LYN and FYN.

Cellular localization

Endosome membrane. Golgi apparatus membrane. Endosome > multivesicular body membrane.

Images



ab162801 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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