


Product datasheet

Anti-FBXO4/FBX4 antibody ab227442

2 Images

Overview

Product name	Anti-FBXO4/FBX4 antibody
Description	Rabbit polyclonal to FBXO4/FBX4
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment within Human FBXO4/FBX4 (internal sequence). The exact sequence is proprietary. Database link: Q9UKT5
Positive control	ICC/IF: HeLa cells. WB: A431 and HeLa whole cell lysates.
General notes	This product was previously labelled as FBXO4

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab227442** in the following tested applications.

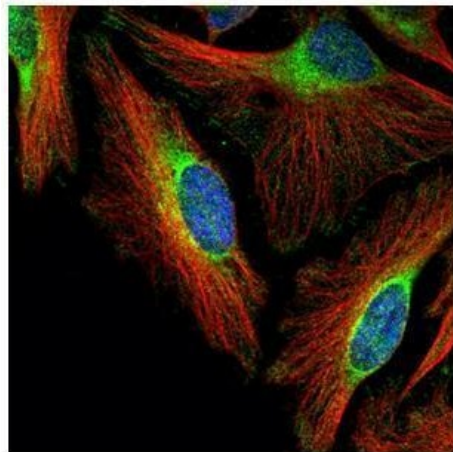
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 44 kDa.
ICC/IF		1/100 - 1/1000.

Target

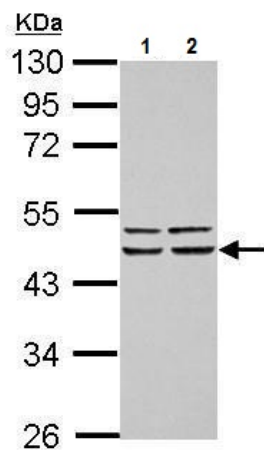
Function	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Promotes ubiquitination of CCND1 and its subsequent proteasomal degradation. Recognizes TERF1 and promotes its ubiquitination together with UBE2D1.
Pathway	Protein modification; protein ubiquitination.
Sequence similarities	Contains 1 F-box domain.
Post-translational modifications	Phosphorylation at Ser-12 varies during the cell cycle. It is low in resting cells and high in the S phase and the G2/M phase of the cell cycle. Phosphorylation is decreased during late G1 phase (By similarity). Phosphorylation at Ser-12 promotes homodimerization and is necessary for optimal ubiquitin ligase activity towards CCND1.
Cellular localization	Cytoplasm.

Images



Methanol-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for FBXO4/FBX4 (green) using ab227442 at 1/500 dilution in ICC/IF. Counterstain: Alpha-tubulin filaments were labeled with an alpha-tubulin antibody at 1/2000 dilution (red).

Immunocytochemistry/ Immunofluorescence - Anti-FBXO4/FBX4 antibody (ab227442)



Western blot - Anti-FBXO4/FBX4 antibody
(ab227442)

All lanes : Anti-FBXO4/FBX4 antibody (ab227442) at 1/2000 dilution

Lane 1 : A431 (human epidermoid carcinoma cell line) whole cell lysate

Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 44 kDa

10% SDS-PAGE gel.

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

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