


Anti-FBXO4/FBX4 antibody ab153803

[2 References](#) [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 corresponding to Human FBXO4/FBX4 aa 24-318.
Positive control	HL60 whole cell lysates; HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab153803 in the following tested applications.

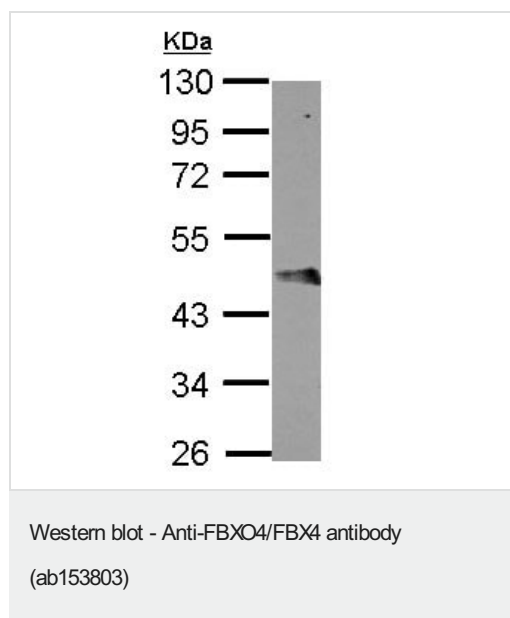
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. 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.

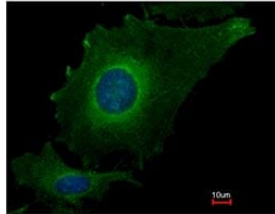
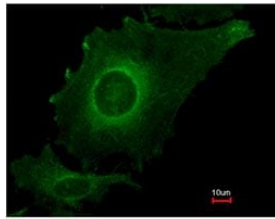
Images



Anti-FBXO4/FBX4 antibody (ab153803) at 1/5000 dilution + HL60 whole cell lysate at 30 µg

Predicted band size: 44 kDa

10% SDS PAGE



Immunofluorescent analysis of methanol-fixed HeLa cells labeling FBXO4/FBX4 with ab153803 at 1/500 dilution. Lower panel co-stained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-FBXO4/FBX4 antibody (ab153803)

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