


## Product datasheet

### Anti-Beta TRCP antibody ab137674

★★★★★ [1 Abreviews](#) [3 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	Anti-Beta TRCP antibody
<b>Description</b>	Rabbit polyclonal to Beta TRCP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow, Xenopus laevis, Xenopus tropicalis 
<b>Immunogen</b>	Recombinant fragment corresponding to Human Beta TRCP aa 50-400. Database link: <a href="#">Q9Y297</a>
<b>Positive control</b>	Recombinant Human Beta TRCP protein ( <a href="#">ab132456</a> ) can be used as a positive control in WB. 293T, A431, H1299, HeLa, HepG2, MOLT4 and Raji whole cell lysates.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137674 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: 68 kDa.

## Target

### Function

Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Recognizes and binds to phosphorylated target proteins. SCF(BTRC) mediates the ubiquitination of CTNNB1 and participates in Wnt signaling. SCF(BTRC) mediates the ubiquitination of NFKBIA, NFKBIB and NFKBIE; the degradation frees the associated NFKB1 to translocate into the nucleus and to activate transcription. Ubiquitination of NFKBIA occurs at 'Lys-21' and 'Lys-22'. SCF(BTRC) mediates the ubiquitination of phosphorylated NFKB1/nuclear factor NF-kappa-B p105 subunit, ATF4, SMAD3, SMAD4, CDC25A, DLG1, FBXO5 and probably NFKB2. SCF(BTRC) mediates the ubiquitination of phosphorylated SNAIL1. May be involved in ubiquitination and subsequent proteasomal degradation through a DBB1-CUL4 E3 ubiquitin-protein ligase. Required for activation of NFKB-mediated transcription by IL1B, MAP3K14, MAP3K1, IKKBK and TNF. Required for proteolytic processing of GLI3.

### Pathway

Protein modification; protein ubiquitination.

### Sequence similarities

Contains 1 F-box domain.

Contains 7 WD repeats.

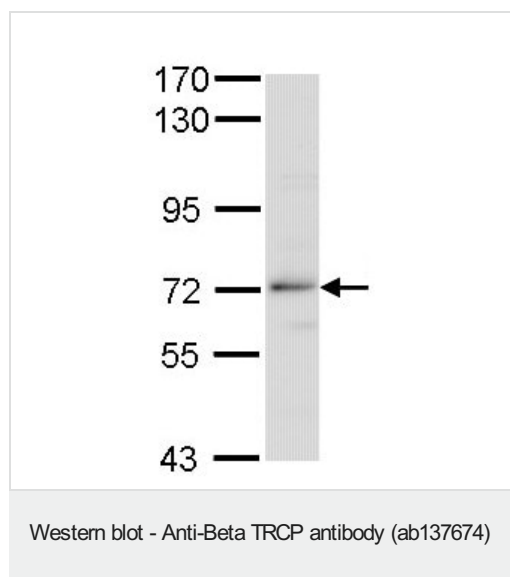
### Domain

The N-terminal D domain mediates homodimerization.

### Cellular localization

Cytoplasm. Nucleus.

## Images



Anti-Beta TRCP antibody (ab137674) at 1/1000 dilution + 293T whole cell lysate at 30 µg

**Predicted band size:** 68 kDa

7.5% SDS PAGE

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Valid for 12 months from date of delivery
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