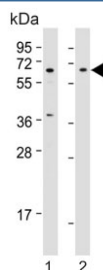


## Beta-TrCP Antibody / BTRC (F54622)

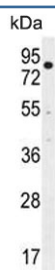
| Catalog No.   | Formulation                                | Size    |
|---------------|--------------------------------------------|---------|
| F54622-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F54622-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

[Bulk quote request](#)

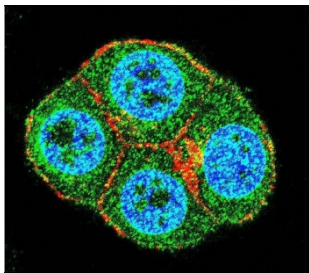
|                           |                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                              |
| <b>Species Reactivity</b> | Human                                                                                          |
| <b>Format</b>             | Purified                                                                                       |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                     |
| <b>Isotype</b>            | Rabbit Ig                                                                                      |
| <b>Purity</b>             | Antigen affinity purified                                                                      |
| <b>UniProt</b>            | Q9Y297                                                                                         |
| <b>Localization</b>       | Cytoplasmic, nuclear                                                                           |
| <b>Applications</b>       | Immunofluorescence : 1:25<br>Immunohistochemistry (FFPE) : 1:25<br>Western Blot : 1:500-1:2000 |
| <b>Limitations</b>        | This Beta-TrCP antibody is available for research use only.                                    |



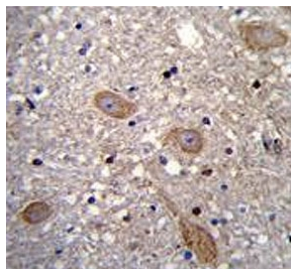
Western blot testing of human 1) HepG2 and 2) HEK293 cell lysate with Beta-TrCP antibody. Predicted molecular weight ~69 kDa.



Western blot testing of human ZR-75-1 cell lysate with Beta-TrCP antibody. Predicted molecular weight ~69 kDa.



Immunofluorescent staining of human ZR-75-1 cells with Beta-TrCP antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



IHC testing of FFPE human brain tissue with Beta-TrCP antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

## Description

This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbws class; in addition to an F-box, this protein contains multiple WD-40 repeats. This protein is homologous to *Xenopus* bTrCP1, yeast Met30, *Neurospora* Scon2 and *Drosophila* Slimb proteins. It interacts with HIV-1 Vpu and connects CD4 to the proteolytic machinery. It also associates specifically with phosphorylated I $\kappa$ B $\alpha$  and beta-catenin destruction motifs, probably functioning in multiple transcriptional programs by activating the NF- $\kappa$ B pathway and inhibiting the beta-catenin pathway.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Beta-TrCP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 17-52 from the human protein was used as the immunogen for the Beta-TrCP antibody.

## Storage

Aliquot the Beta-TrCP antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.