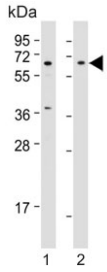
# Beta-TrCP Antibody / BTRC (F54622)

| 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 |

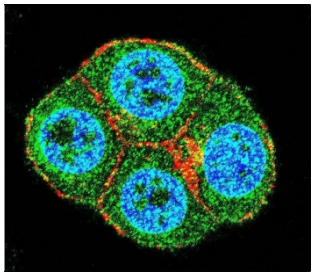
**Bulk quote request**

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

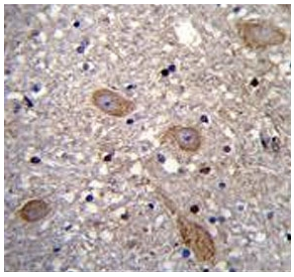



Western blot testing of human 1) HepG2 and 2) HEK293 cell lysate with Beta-TrCP antibody. Predicted molecular weight ~69 kDa.


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 IkappaBalpha and beta-catenin destruction motifs, probably functioning in multiple transcriptional programs by activating the NF-kappaB 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 -20oC or colder. Avoid repeated freeze-thaw cycles.