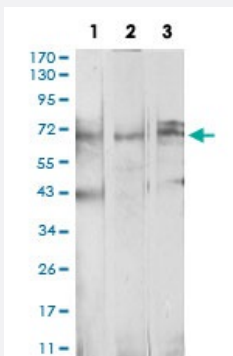


# BTRC monoclonal antibody, clone 4C5D8

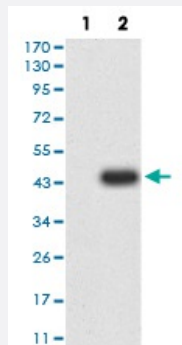
Catalog # MAB17540      Size 100 ug

## Applications



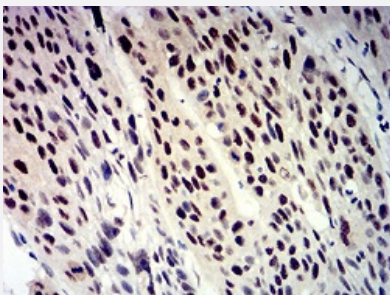
### Western Blot (Cell lysate)

Western blot analysis of (1) Ramos cell, (2) MCF-7 cell, (3) K562 cell with BTRC monoclonal antibody.



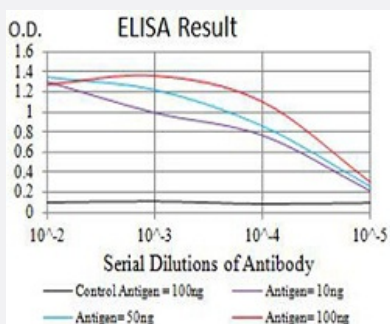
### Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) BTRC-hlgGfc transfected HEK293 cell lysate.



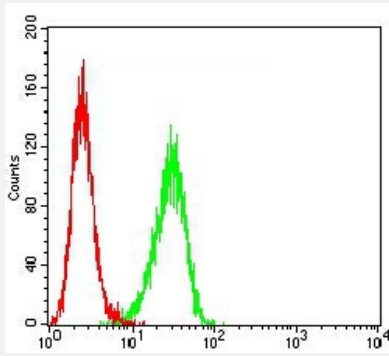
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded rectum cancer tissues with BTRC monoclonal antibody.



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of BTRC monoclonal antibody, clone 4C5D8.



## Flow Cytometry

Flow cytometric analysis of Hela cells with BTRC monoclonal antibody (green) and negative control (red).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant human BTRC.
<b>Immunogen</b>	Recombinant protein corresponding to amino acid 24-151 of human BTRC from <i>E. coli</i> .
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	68.9
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry Flow Cytometry (1:200-1:400) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.05% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) Ramos cell, (2) MCF-7 cell, (3) K562 cell with BTRC monoclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) BTRC-hlgGfc transfected HEK293 cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded rectum cancer tissues with BTRC monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of BTRC monoclonal antibody, clone 4C5D8.

- Flow Cytometry

Flow cytometric analysis of Hela cells with BTRC monoclonal antibody (green) and negative control (red).

## Gene Info — BTRC

Entrez GeneID	<a href="#">8945</a>
Gene Name	BTRC
Gene Alias	BETA-TRCP, FBW1A, FBXW1, FBXW1A, FWD1, MGC4643, bTrCP, bTrCP1, betaTrCP
Gene Description	beta-transducin repeat containing
Omim ID	<a href="#">603482</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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 Fbw s 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. [provided by RefSeq]
Other Designations	OTTHUMP00000020314 OTTHUMP00000020315 beta-TrCP1 beta-transducin repeat containing protein

## Pathway

- [Hedgehog signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)
- [Wnt signaling pathway](#)

## Disease

- [Alzheimer Disease](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Liver Neoplasms](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)