

BTRC rabbit monoclonal antibody

Catalog # H00008945-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human BTRC peptide using ARM Technology.
Immunogen	A synthetic peptide of human BTRC is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human BTRC peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — BTRC

Entrez GeneID	8945
GeneBank Accession#	BTRC
Gene Name	BTRC
Gene Alias	BETA-TRCP, FBW1A, FBXW1, FBXW1A, FWD1, MGC4643, bTrCP, bTrCP1, betaTrCP
Gene Description	beta-transducin repeat containing
Omim ID	603482
Gene Ontology	Hyperlink
Gene Summary	<p>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 IκBα and beta-catenin destruction motifs, probably functioning in multiple transcriptional programs by activating the NF-κB pathway and inhibiting the beta-catenin pathway. [provided by RefSeq]</p>
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](#)