Anti-BTRC Antibody [D8-C5]

EM1706-79

Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	WB, IHC-P, FC
Molecular Wt:	69 kDa
Clone number:	D8-C5

Description: b-tranducin repeats containing protein (b-TrCP), also designated E3RSIkB or FWD1, and HOS (homologous to Slimb) are F-box proteins that function as substrate recognition subunits of ubiquitin ligases. HOS and b-TrCP differ in their amino-terminal regions, but exhibit high homology within the F-box and WD40 repeat-containing regions. b-TrCP mediates ubiquitin/proteasome-dependent degradation of CD4 and ubiquitination of various proteins including IkB and b-catenin. HOS has also been shown to regulate the degradation of IkB and b-catenin in a similar manner.

Immunogen: Purified recombinant fragment of human BTRC (AA: 24-151) expressed in E. Coli.

Positive control: Human BTRC recombinant protein, BTRC-hIgGFc transfected HEK293 cell lysate, Ramos, MCF-7, K562 cell lysates, human esophageal cancer tissue, human rectum cancer tissue, Hela.

Subcellular location: Cytoplasm. Nucleus

Database links: SwissProt: Q9Y297 Human

Recommended Dilutions:

WB	1:500-1:2,000
IHC-P	1:200-1:1,000
FC	1:200-1:400

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4℃; -20℃ for long term storage.

Purity: Protein A affinity purified.

Images

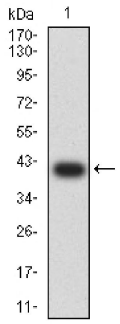

Fig1: Western blot analysis of BTRC on human BTRC recombinant protein using anti-BTRC antibody at 1/1,000 dilution.

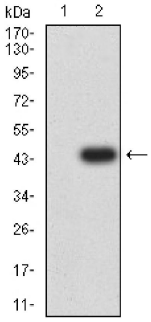

Fig2: Western blot analysis of BTRC on HEK293 (1) and BTRC-hIgGFc transfected HEK293 (2) cell lysate using anti-BTRC antibody at 1/1,000 dilution.

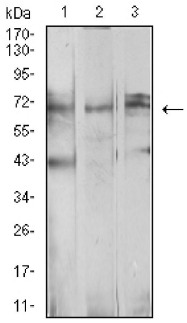

Fig3: Western blot analysis of BTRC on different cell lysate using anti-BTRC antibody at 1/1,000 dilution.
Positive control: Line1: Ramos Line2: MCF-7 Line3: K562

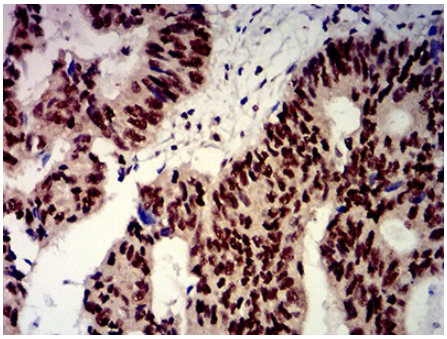

Fig4: Immunohistochemical analysis of paraffin-embedded human esophageal cancer tissue using anti-BTRC antibody. Counter stained with hematoxylin.

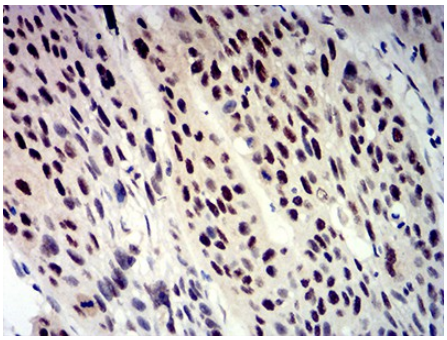

Fig5: Immunohistochemical analysis of paraffin-embedded human rectum cancer tissue using anti-BTRC antibody. Counter stained with hematoxylin.

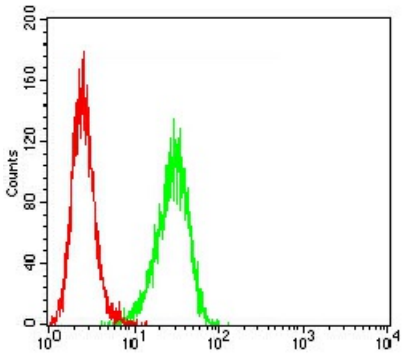

Fig6: Flow cytometric analysis of Hela cells with BTRC antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Schmidt ML et al. Ras regulates SCF(β-TrCP) protein activity and specificity via its effector protein NORE1A. J Biol Chem 289(45):31102-10 (2014).
2. Huo ZH et al. Roles of functional NFKB1 and β-TrCP insertion/deletion polymorphisms in mRNA expression and epithelial ovarian cancer susceptibility. Genet Mol Res 12(3):3435-43 (2013).