

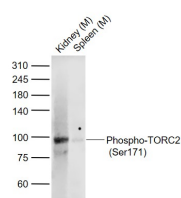
bs-3415R**[Primary Antibody]****phospho-TORC2 (Ser171) Rabbit pAb****BioSS**
ANTIBODIES

www.bioss.com.cn

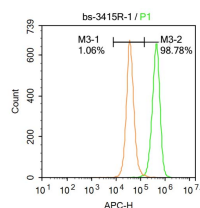
sales@bioss.com.cn

techsupport@bioss.com.cn

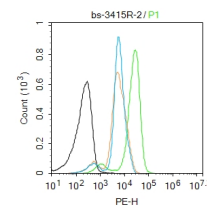
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 200186**SWISS:** Q53ET0**Target:** TORC2 (Ser171)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human CREB regulated transcription coactivator 2 around the phosphorylation site of Ser171: TS(p-S)DS.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** This gene encodes a member of the transducers of regulated cAMP response element-binding protein activity family of transcription coactivators. These proteins promote the transcription of genes targeted by the cAMP response element-binding protein, and therefore play an important role in many cellular processes. Under basal conditions the encoded protein is phosphorylated by AMP-activated protein kinase or the salt-inducible kinases and is sequestered in the cytoplasm. Upon activation by elevated cAMP or calcium, the encoded protein translocates to the nucleus and increases target gene expression. Single nucleotide polymorphisms in this gene may increase the risk of type 2 diabetes. A pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Dec 2010].**Applications:** WB (1:500-2000)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse
(predicted: Rat, Pig, Dog)**Predicted
MW.:** 73 kDa**Subcellular
Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Sample: Lane 1: Kidney (Mouse) Lysate at 40 ug
Lane 2: Spleen (Mouse) Lysate at 40 ug
Primary: Anti-Phospho-TORC2 (Ser171) (bs-3415R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 90 kD
Observed band size: 95 kD



Blank control: A431. Primary Antibody (green line): Rabbit Anti-Phospho-TORC2 (Ser171) antibody (bs-3415R) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control: Jurkat. Primary Antibody (green line): Rabbit Anti-Phospho-TORC2 (Ser171) antibody (bs-3415R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=40.73]** Seok S et al. Transcriptional regulation of autophagy by an FXR-CREB axis. (2014) *Natur.* 516:108-11 WB ;Mouse. 25383523
- **[IF=6.1]** Fan Wu. et al. Oxyberberine Inhibits Hepatic Gluconeogenesis via AMPK-Mediated Suppression of FoxO1 and CRTC2 Signaling Axes. *PHYTOTHER RES.* 2024 Nov;; WB ;Mouse,Human. 39522954
- **[IF=5.5]** Cicerchi et al. Uric acid-dependent inhibition of AMP kinase induces hepatic glucose production in diabetes and starvation: evolutionary implications of the uricase loss in hominids. (2014) *FASEB.* 28:3339-50 WB ;Human. 24755741
- **[IF=6.3]** Jizheng Wang. et al. Ceramide enhanced the hepatic glucagon response through regulation of CREB activity. *CLIN NUTR.* 2023 Dec;; WB ;Mouse. 38142481
- **[IF=3.562]** Zhou TT et al. Small molecule IVQ, as a prodrug of gluconeogenesis inhibitor QVO, efficiently ameliorates glucose homeostasis in type 2 diabetic mice.*Acta Pharmacol Sin.* 2019 Mar 4. WB ;Mouse. 30833709