DATACHEET

## [ Primary Antibody ]

## phospho-TORC2 (Ser171) Rabbit pAb



Pig, Dog)

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Host: Rabbit	<b>Isotype:</b> IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Flow-Cyt (1ug/Test)
GenelD: 200186	SWISS: Q53ET0	Reactivity: Human, Mouse
Target: TORC2 (Ser171)		(predicted: Rat, Pig, I
Immunogen: KLH conjugated Sy CREB regulated tra phosphorylation si	nthesised phosphopeptide derived from human nscription coactivator 2 around the te of Ser171: TS(p-S)DS.	Predicted 73 kDa
Purification: affinity purified by	Protein A	Contraction
Concentration: 1mg/ml		Location: Cytoplasm ,Nucleus
<b>Storage:</b> 0.01M TBS (pH7.4) Glycerol. Shipped at 4°C. Sto freeze/thaw cycles	with 1% BSA, 0.02% Proclin300 and 50% ore at -20°C for one year. Avoid repeated	
Background: This gene encodes response element- coactivators. These targeted by the cAl therefore play an in basal conditions th activated protein k sequestered in the	a member of the transducers of regulated cAMP binding protein activity family of transcription e proteins promote the transcription of genes <i>AP</i> response element-binding protein, and nportant role in many cellular processes. Under e encoded protein is phosphorylated by AMP- inase or the salt-inducible kinases and is 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].

- 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 /10^6 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 nonspecific protein-protein interactions for 30 min at 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 /10^6 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 nonspecific 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 –

- [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