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Datasheet for ABIN874508

anti-CRTC2 antibody (pSer171) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	CRTC2
Binding Specificity:	pSer171
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRTC2 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human CREB regulated transcription coactivator 2 around the phosphorylation site of Ser171
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Pig
Purification:	Purified by Protein A.

Target Details

Target:	CRTC2
Alternative Name:	TORC2 (CRTC2 Products)

Target Details

Background:	<p>Synonyms: TORC2, TORC-2, CREB-regulated transcription coactivator 2, Transducer of regulated cAMP response element-binding protein 2, Transducer of CREB protein 2, CRTC2</p> <p>Background: Transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites. Acts as a coactivator, in the SIK/TORC signaling pathway, being active when dephosphorylated and acts independently of CREB1 'Ser-133' phosphorylation. Enhances the interaction of CREB1 with TAF4. Regulates gluconeogenesis as a component of the LKB1/AMPK/TORC2 signaling pathway. Regulates the expression of specific genes such as the steroidogenic gene, StAR. Potent coactivator of PPARGC1A and inducer of mitochondrial biogenesis in muscle cells. Also coactivator for TAX activation of the human T-cell leukemia virus type 1 (HTLV-1) long terminal repeats (LTR).</p>
Gene ID:	200186
UniProt:	Q53ET0
Pathways:	AMPK Signaling , Carbohydrate Homeostasis

Application Details

Application Notes:	FCM 1:20-100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months