

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human TORC3 in direct ELISAs.
<b>Source</b>	Monoclonal Rabbit IgG Clone # 2069D
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human TORC3 Ser425-Asn574 Accession # Q6UUV7
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

**Immunocytochemistry** Optimal dilution of this antibody should be experimentally determined.

**PREPARATION AND STORAGE**

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

**BACKGROUND**

CREB-Regulated Transcription Coactivator 3 (CRTC3), also known as TORC3, a transcriptional coactivator for CREB1, acts as a coactivator in the SIK/TORC signaling pathway. Dephosphorylated CRTC3 increases the interaction of CREB1 cAMP response element (CRE) sites. CRTC3 activity is important in regulating the expression of genes involved in cellular energy metabolism. Its binding to the HTLV-1 protein Tax enhances HTLV-1 transcription, whereas its binding to cellular Bcl3 inhibits HTLV-1 transcription. CRTC3 polymorphism have been associated with obesity and hypertriglyceridemia.

**PRODUCT SPECIFIC NOTICES**

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