

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TORC3 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 2069D
Purification	Protein A or G purified from cell culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human TORC3 Ser425-Asn574 Accession # Q6UVU7
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RGD1 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.
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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.

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