

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human γ -Glutamylcyclotransferase/CRF21 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human γ -Glutamylcyclotransferase/CRF21 Met1-Leu188 Accession # O75223
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	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.

Western Blot 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

Gamma-glutamylcyclotransferase (GGCT; also Cytochrome c-releasing factor 21, CRF21, C7orf24 or LOC79017) is a 21 kDa AIG2-like family member. It is a cytosolic protein that induces the release of Cytochrome c from mitochondria, possibly initiating apoptosis. Human CRF21 is 188 amino acids (aa) in length and is a complex of β -sheets and α -helices that create two terminal domains. It has been proposed that CRF21 forms homodimers. There are at least two possible splice variants of human CRF21, one showing a 70 aa substitution, while the second variant shows an 18 aa substitution for aa 97-188. Full-length human CRF21 is 82% aa identical to mouse CRF21.

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