

## DESCRIPTION

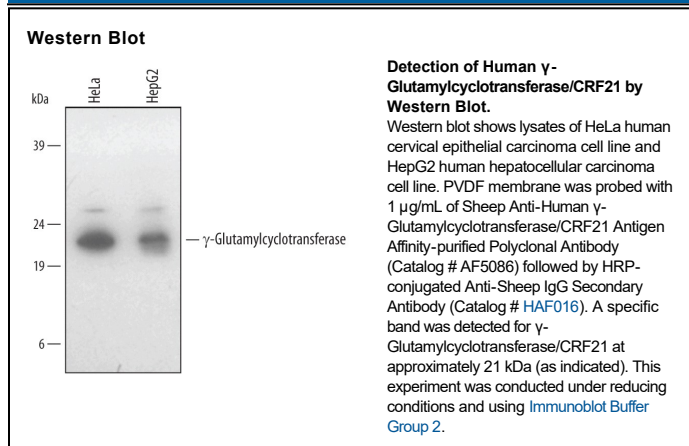
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human $\gamma$ -Glutamylcyclotransferase/CRF21 in Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human $\gamma$ -Glutamylcyclotransferase/CRF21 Met1-Leu188 Accession # O75223
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 $\mu$ m filtered solution in PBS.

## 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.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 $\mu$ g/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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  $\beta$ -sheets and  $\alpha$ -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.