

DESCRIPTION

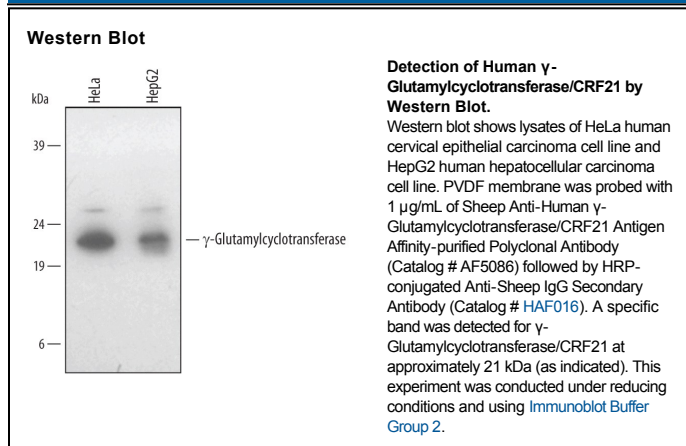
Species Reactivity	Human
Specificity	Detects human γ -Glutamylcyclotransferase/CRF21 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human γ -Glutamylcyclotransferase/CRF21 Met1-Leu188 Accession # O75223
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ 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
Western Blot	1 μ g/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.