

# Human γ-Glutamylcyclotransferase/CRF21 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF5086

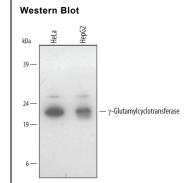
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human γ-Glutamylcyclotransferase/CRF21 in Western blots.		
Source	Polyclonal Sheep IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human γ-Glutamylcyclotransferase/CRF21 Met1-Leu188 Accession # O75223		
Formulation	Lyophilized from a 0.2 µm 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 µm 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 μg/mL	See Below

## DATA



#### Detection of Human γ-Glutamylcyclotransferase/CRF21 by Western Blot.

Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line and HepG2 human hepatocellular carcinoma cell line. PVDF membrane was probed with 1 μg/mL of Sheep Anti-Human γ Glutamylcyclotransferase/CRF21 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5086) followed by HRPconjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for y-Glutamylcyclotransferase/CRF21 at approximately 21 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

# 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.

- 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.

Rev. 2/6/2018 Page 1 of 1

