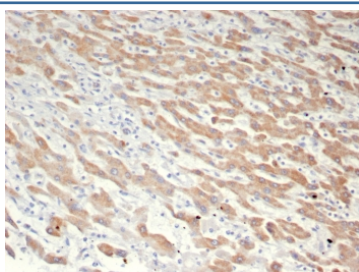


## GFRP Antibody / GCHFR [clone GCHFR/7731] (V4384)

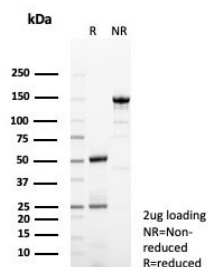
Catalog No.	Formulation	Size
V4384-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4384-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4384SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2, kappa
<b>Clone Name</b>	GCHFR/7731
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P30047
<b>Localization</b>	Cytoplasm (Lysosome)
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
<b>Limitations</b>	This GFRP antibody is available for research use only.



IHC staining of FFPE human liver in HCC with GFRP antibody (clone GCHFR/7731).  
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free GFRP antibody (clone GCHFR/7731) as confirmation of integrity and purity.

## Description

GTP cyclohydrolase I feedback regulatory protein (GFRP) is encoded by the gene GCHFR. GFRP mediates feedback inhibition of GTP cyclohydrolase I activity by tetrahydrobiopterin. GFRP also acts as a mediator for the stimulatory effect of phenylalanine on enzyme activity. L-phenylalanine reverses this inhibition. Cross-linking experiments have shown that GFRP is usually expressed as a homodimer or pentamer.

## Application Notes

Optimal dilution of the GFRP antibody should be determined by the researcher.

## Immunogen

A recombinant fragment of human protein was used as the immunogen for the GCHFR antibody.

## Storage

Aliquot the GFRP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.