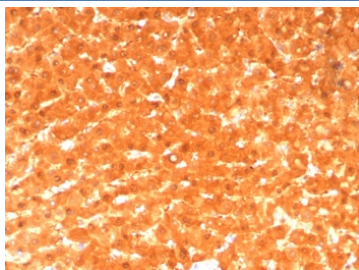


## GCHFR Antibody / GFRP [clone GCHFR/7734] (V4372)

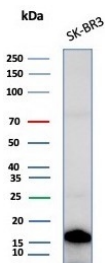
Catalog No.	Formulation	Size
V4372-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4372-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4372SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2, kappa
<b>Clone Name</b>	GCHFR/7734
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P30047
<b>Localization</b>	Lysosome
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
<b>Limitations</b>	This GCHFR antibody is available for research use only.



IHC staining of FFPE human liver tissue with GCHFR antibody (clone GCHFR/7734).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human SK-BR-3 cell lysate with GCHFR antibody (clone GCHFR/7734). Predicted molecular weight ~10 kDa.

## 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 GCHFR antibody should be determined by the researcher.

## Immunogen

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

## Storage

Aliquot the GCHFR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.