

## Anti-GCHFR Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Chicken,Pig,Cow)
Molecular Weight:	Theoretical: 10 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (GCHFR) Polyclonal Antibody, Unconjugated (TMAB-06383) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human GCHFR
Antigen Species:	Human
Gene ID:	2644
Uniprot ID:	P30047

## Research Background

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. The molecular weight of GFRP is approximately 9.5kDa although cross-linking experiments have shown that GFRP is usually found as a homodimer or as a pentamer. 15q15.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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