



# GSHB Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-07802
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	GSS
<b>Protein Name</b>	Glutathione synthetase (GSH synthetase) (GSH-S) (EC 6.3.2.3) (Glutathione synthase)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	GSHB Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	52kD
<b>Cell Pathway</b>	cytosol,extracellular exosome,
<b>Tissue Specificity</b>	Brain,Fetal brain cortex,Kidney,Lung,
<b>Function</b>	catalytic activity:ATP + gamma-L-glutamyl-L-cysteine + glycine = ADP + phosphate + glutathione.,disease:Defects in GSS are the cause of glutathione synthetase deficiency (GSS deficiency) [MIM:266130]; referred to as 5-oxoprolinuria. It is a severe form characterized by an increased rate of hemolysis and defective function of the central nervous system.,disease:Defects in GSS are the cause of glutathione synthetase deficiency of erythrocytes [MIM:231900]. It is a mild form causing hemolytic anemia.,pathway:Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 2/2.,similarity:Belongs to the eukaryotic GSH synthase family.,subunit:Homodimer.,
<b>Background</b>	Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. The protein encoded by this gene functions as a homodimer to catalyze the second step of glutathione biosynthesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione.



Defects in this gene are a cause of glutathione synthetase deficiency. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**