



GSHB Monoclonal Antibody

Catalog No	YP-mAb-07802
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GSS
Protein Name	Glutathione synthetase (GSH synthetase) (GSH-S) (EC 6.3.2.3) (Glutathione synthase)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	GSHB Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	52kD
Cell Pathway	cytosol,extracellular exosome,
Tissue Specificity	Brain,Fetal brain cortex,Kidney,Lung,
Function	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.,
Background	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