



Cleaved-GGT4 HC (T472) Monoclonal Antibody

Catalog No	YP-mAb-03353
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GGT7
Immunogen	The antiserum was produced against synthesized peptide derived from human Gamma-glutamyltransferase 4. AA range:423-472
Specificity	Cleaved-GGT4 HC (T472) Monoclonal Antibody detects endogenous levels of fragment of activated GGT4 HC protein resulting from cleavage adjacent to T472.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA 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	GGT4 HC;GGT7;Gamma-glutamyltransferase 7;GGTL3;GGTL5;GGT 7;Gamma-glutamyltransferase-like 3;Gamma-glutamyltransferase-like 5;Gamma-glutamyltranspeptidase 7;Glutathione hydrolase 7
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Membrane ; Single-pass type II membrane protein .
Tissue Specificity	Widely expressed, but at low level, except in the airway epithelial cells. Detected in brain, heart, kidney, liver, lung, spleen, testis and trachea.
Function	catalytic activity:(5-L-glutamyl)-peptide + an amino acid = peptide + 5-L-glutamyl amino acid.,function:Cleaves glutathione conjugates.,pathway:Sulfur metabolism; glutathione metabolism.,similarity:Belongs to the gamma-glutamyltransferase family.,subunit:Heterodimer composed of the light and heavy chains. The active site is located in the light chain (By similarity). Isoform 3 interacts with FAM57A., tissue specificity:Widely expressed, but at low level, except in the airway epithelial cells. Detected in brain, heart, kidney, liver, lung, spleen, testis and trachea.,



Background

This gene is a member of a gene family that encodes enzymes involved in both the metabolism of glutathione and in the transpeptidation of amino acids. Changes in the activity of gamma-glutamyltransferase may signal preneoplastic or toxic conditions in the liver or kidney. The protein encoded by this gene consists of a heavy and a light chain, and it can interact with CT120, a plasma membrane-associated protein that is possibly involved in lung carcinogenesis. [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

