



Rabbit Anti-GGT5 heavy chain antibody

SL13349R

Product Name:	GGT5 heavy chain
Chinese Name:	γ -谷氨酰转肽酶5重链抗体
Alias:	Gamma glutamyl transpeptidase related enzyme; Gamma glutamyltransferase 5; Gamma-glutamyl transpeptidase-related enzyme; Gamma-glutamyltransferase 5 heavy chain; Gamma-glutamyltransferase-like activity 1; Gamma-glutamyltransferase 5; GGT 5; GGT REL; GGT-rel; GGT5; GGT5_HUMAN; DKFZP566O011; GGTLA1; Glutathione hydrolase 5; Leukotriene-C4 hydrolase; Gamma-glutamyltransferase 5 heavy chain.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Gamma-glutamyltransferase 5 heavy chain:51-150/568<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	g-glutamyltransferase (GGT) acts as a glutathionase and catalyzes the transfer of the

glutamyl moiety of Glutathione to a variety of amino acids and dipeptide acceptors. This enzyme is located on the outer surface of the cell membrane and is widely distributed in mammalian tissues involved in absorption and secretion. In humans, hepatic GGT activity is elevated in some liver diseases. GGT1 is released into the bloodstream after liver damage and an elevated level of the enzyme may be a useful early sign of hepatocellular carcinoma. GGT5 converts Leukotriene C4 to Leukotriene D4; it does not, however, convert synthetic substrates that are commonly used to assay GGT. In human serum and tissues there is a marked heterogeneity in GGT, but this heterogeneity can be attributed to different glycosylation of the same peptide rather than to the products of different genes.

Function:

Cleaves the gamma-glutamyl peptide bond of glutathione conjugates, but maybe not glutathione itself. Converts leukotriene C4 (LTC4) to leukotriene D4 (LTD4).

Subunit:

Heterodimer composed of the light and heavy chains. The active site is located in the light chain

Subcellular Location:

Membrane; Single-pass type II membrane protein.

Similarity:

Belongs to the gamma-glutamyltransferase family.

SWISS:

P36269

Gene ID:

2687

Database links:

UniProtKB/Swiss-Prot: P36269.2

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.