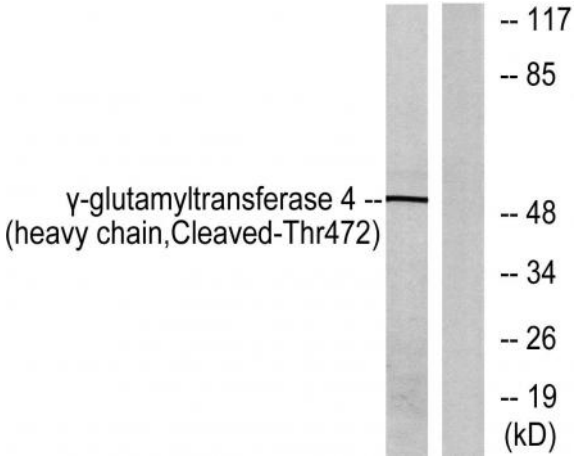
Best Tools for immunology Research

Cleaved-GGT4 HC (T472) Polyclonal Antibody

Catalog No :	YC0086
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	GGT4 HC
Fields :	>>Taurine and hypotaurine metabolism;>>Glutathione metabolism;>>Metabolic pathways
Gene Name :	GGT7
Protein Name :	Gamma-glutamyltransferase 7
Human Gene Id :	2686
Human Swiss Prot No :	Q9UJ14
Mouse Gene Id :	207182
Mouse Swiss Prot No :	Q99JP7
Rat Gene Id :	156275
Rat Swiss Prot No :	Q99MZ4
Immunogen :	The antiserum was produced against synthesized peptide derived from human Gamma-glutamyltransferase 4. AA range:423-472
Specificity :	Cleaved-GGT4 HC (T472) Polyclonal 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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	50kD
Cell Pathway :	Taurine and hypotaurine metabolism;Selenoamino acid metabolism;Cyanoamino acid metabolism;Glutathione metabolism;Arachidonic acid metabolism;
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],
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.,
Subcellular Location :	Membrane ; Single-pass type II membrane protein .
Expression :	Widely expressed, but at low level, except in the airway epithelial cells. Detected in brain, heart, kidney, liver, lung, spleen, testis and trachea.
Tag :	orthogonal
Sort :	4211
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western blot analysis of lysates from Jurkat cells, treated with etoposide 25uM 24h, using Gamma-glutamyltransferase 4 (heavy chain,Cleaved-Thr472) Antibody. The lane on the right is blocked with the synthesized peptide.