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GGT6 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17485A

Product Information

Application	WB, E
Primary Accession	Q6P531
Other Accession	NP_001116362.1, NP_699169.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37522
Calculated MW	50509
Antigen Region	23-49

Additional Information

Gene ID	124975
Other Names	Gamma-glutamyltransferase 6, GGT 6, Gamma-glutamyltranspeptidase 6, Glutathione hydrolase 6, Gamma-glutamyltransferase 6 heavy chain, Gamma-glutamyltransferase 6 light chain, GGT6
Target/Specificity	This GGT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 23-49 amino acids from the N-terminal region of human GGT6.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GGT6 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GGT6 (HGNC:26891)
Function	Hydrolyzes and transfers gamma-glutamyl moieties from glutathione and other gamma-glutamyl compounds to acceptors.

Cellular Location	Membrane {ECO:0000250|UniProtKB:P19440}; Single- pass type II membrane protein {ECO:0000250|UniProtKB:P07314}

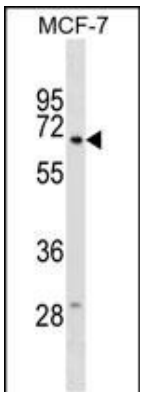
Background

GGT6 belongs to the gamma-glutamyltransferase (GGT; EC 2.3.2.2) gene family. GGT is a membrane-bound extracellular enzyme that cleaves gamma-glutamyl peptide bonds in glutathione and other peptides and transfers the gamma-glutamyl moiety to acceptors. GGT is also key to glutathione homeostasis because it provides substrates for glutathione synthesis (Heisterkamp et al., 2008 [PubMed 18357469]).

References

Heisterkamp, N., et al. Hum. Genet. 123(4):321-332(2008)

Images



GGT6 Antibody (N-term) (Cat. #AP17485a) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the GGT6 antibody detected the GGT6 protein (arrow).