

Anti-GGT1 / GGT Antibody (aa180-193)
Goat Anti Human Polyclonal Antibody
Catalog # ALS17917**Specification**

Anti-GGT1 / GGT Antibody (aa180-193) - Product Information

Application	WB, IHC-P, E
Primary Accession	P19440
Predicted	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	61410

Anti-GGT1 / GGT Antibody (aa180-193) - Additional Information**Gene ID 2678**Alias Symbol **GGT1****Other Names**

GGT1, CD224 antigen, CD224, Ec 2.3.2.2, Glutamyl transpeptidase, GTG, Gamma-glutamyltransferase, Glutathione hydrolase 1, GLUTATHIONURIA, Gamma-glutamyl transpeptidase, Gamma-glutamyltransferase 1, Gamma-glutamyltranspeptidase 1, GGT, Leukotriene-C4 ...

Target/Specificity

Human GGT1 / GGT. Reported variants represent identical protein: NP_038347.2, NP_001027536.1, NP_001027537.1, NP_005256.2.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-GGT1 / GGT Antibody (aa180-193) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-GGT1 / GGT Antibody (aa180-193) - Protein Information**Name** GGT1**Synonyms** GGT**Function**

Cleaves the gamma-glutamyl bond of extracellular glutathione (gamma-Glu-Cys-Gly), glutathione conjugates (such as maresin conjugate (13R)-S-glutathionyl-(14S)-hydroxy-(4Z,7Z,9E,11E,16Z,19Z)- docosahexaenoate, MCTR1) and other gamma-glutamyl compounds (such as leukotriene C4, LTC4) (PubMed:17924658, PubMed:21447318, PubMed:27791009). The metabolism of glutathione by GGT1 releases free glutamate and the dipeptide cysteinyl-glycine, which is hydrolyzed to cysteine and glycine by dipeptidases (PubMed:27791009). In the presence of high concentrations of dipeptides and some amino acids, can also catalyze a transpeptidation reaction, transferring the gamma-glutamyl moiety to an acceptor amino acid to form a new gamma-glutamyl compound (PubMed:17924658, PubMed:7673200, PubMed:7759490, PubMed:8095045, PubMed:8827453, PubMed:21447318). Contributes to cysteine homeostasis, glutathione homeostasis and in the conversion of the leukotriene LTC4 to LTD4.

Cellular Location

Cell membrane; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P07314}

Tissue Location

Detected in fetal and adult kidney and liver, adult pancreas, stomach, intestine, placenta and lung. There are several other tissue-specific forms that arise from alternative promoter usage but that produce the same protein

Anti-GGT1 / GGT Antibody (aa180-193) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GGT1 / GGT Antibody (aa180-193) - Images