

**Anti-GGT5 HC Antibody**  
Catalog # AP53815**Specification****Anti-GGT5 HC Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P36269</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62261

**Anti-GGT5 HC Antibody - Additional Information****Gene ID** 2687**Other Names**

GGTLA1; Gamma-glutamyltransferase 5; GGT 5; Gamma-glutamyl transpeptidase-related enzyme; GGT-rel; Gamma-glutamyltransferase-like activity 1; Gamma-glutamyltranspeptidase 5; Glutathione hydrolase 5; Leukotriene-C4 hydrolase

**Target/Specificity**

Recognizes endogenous levels of GGT5 HC protein.

**Dilution**

WB~~1/500 - 1/1000

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-GGT5 HC Antibody - Protein Information****Name** GGT5**Synonyms** GGTLA1**Function**

Cleaves the gamma-glutamyl peptide bond of glutathione and glutathione-S-conjugate such as leukotriene C4 (PubMed: <http://www.uniprot.org/citations/21447318> target="\_blank">21447318</a>). Does not cleaves gamma-glutamyl compounds such as gamma-glutamyl leucine (PubMed: <http://www.uniprot.org/citations/21447318> target="\_blank">21447318</a>). May also catalyze a transpeptidation reaction in addition to the hydrolysis reaction, transferring the gamma-glutamyl moiety to an acceptor amino acid to form a new gamma-glutamyl compound (PubMed: <http://www.uniprot.org/citations/21447318>)

target="\_blank">21447318</a>). Acts as a negative regulator of geranylgeranyl glutathione bioactivity by cleaving off its gamma-glutamyl group, playing a role in adaptive immune responses (PubMed:<a href="http://www.uniprot.org/citations/30842656" target="\_blank">30842656</a>).

#### Cellular Location

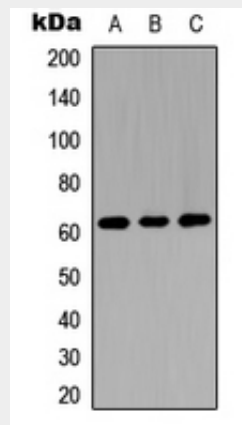
Membrane {ECO:0000250|UniProtKB:Q9Z2A9}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q9Z2A9}

#### Anti-GGT5 HC Antibody - 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-GGT5 HC Antibody - Images



Western blot analysis of GGT5 HC expression in A549 (A), NS-1 (B), H9C2 (C) whole cell lysates.

#### Anti-GGT5 HC Antibody - Background

Rabbit polyclonal antibody to GGT5 HC