

## Rabbit anti-Human, mouse GGTLA1 Polyclonal Antibody | anti-GGT5 antibody

GGTLA1 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                |
|-----------|--------|--------------|-----------------------------------------------------------------------------|
| AAA286909 | Rabbit | Human, mouse | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

GGTLA1; Polyclonal Antibody; GGTLA1 Antibody (N-term); 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; Gamma-glutamyltransferase 5 heavy chain; Gamma-glutamyltransferase 5 light chain; GGT5; anti-GGT5 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                   |
| Reactivity                                     | Human, mouse                                                                                                                                                             |
| Clonality                                      | Polyclonal                                                                                                                                                               |
| Isotype                                        | Rabbit Ig                                                                                                                                                                |
| Specificity                                    | This GGTLA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-156 amino acids from the N-terminal region of human GGTLA1. |
| Purity/Purification                            | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.                                                            |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.                                                                                              |
| Sequence Positions                             | 130-156                                                                                                                                                                  |
| Sequence Length                                | 587                                                                                                                                                                      |
| Applicable Applications for anti-GGT5 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                          |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                    |

### IMAGES



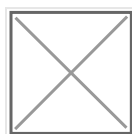
#### FCM/FACS (Flow Cytometry)

GGTLA1 Antibody (N-term) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



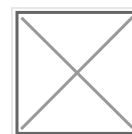
#### IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain reacted with GGTLA1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



#### WB (Western Blot)

Western blot analysis of GGTLA1 antibody (N-term) in Y79 cell line lysates (35ug/lane). GGTLA1 (arrow) was detected using the purified Pab.



#### WB (Western Blot)

Western blot analysis of GGTLA1 antibody (N-term) in mouse heart tissue lysates (35ug/lane). GGTLA1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GGT5 antibody | This gene is a member of gamma-glutamyl transpeptidase enzymes. This enzyme consists of a heavy and a light chain, and is able to hydrolyze the gamma-glutamyl moiety of glutathione. It converts leukotriene C4 to leukotriene D4, however, it doesn't convert synthetic substrates that are commonly used to assay gamma-glutamyl transpeptidase. |
| Product Categories/Family for anti-GGT5 antibody   | Cancer; Metabolism; Signal Transduction                                                                                                                                                                                                                                                                                                             |
| References                                         | Heisterkamp,N., Hum. Genet. 123 (4), 321-332 (2008)<br>Enoiu,M., Free Radic. Biol. Med. 29 (9), 825-833 (2000)                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 153266901                                   |
| NCBI GeneID                      | 2687                                        |
| NCBI Accession #                 | NP_001093251.1; NP_001093252.1; NP_004112.2 |
| NCBI GenBank Nucleotide #        | NM_001099781.2                              |
| UniProt Accession #              | P36269; Q53XM9; Q6GMP0; Q96FC1; Q9UFM5      |
| Molecular Weight                 | 62261                                       |
| NCBI Official Full Name          | gamma-glutamyltransferase 5 isoform 1       |
| NCBI Official Synonym Full Names | gamma-glutamyltransferase 5                 |
| NCBI Official Symbol             | GGT5                                        |
| NCBI Official Synonym Symbols    | GGL; GGT 5; GGTLA1; GGT-REL                 |
| NCBI Protein Information         | gamma-glutamyltransferase 5                 |
| UniProt Protein Name             | Gamma-glutamyltransferase 5                 |
| UniProt Gene Name                | GGT5                                        |
| UniProt Synonym Gene Names       | GGTLA1; GGT 5; GGT-rel                      |
| UniProt Entry Name               | GGT5_HUMAN                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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