

## Rabbit anti-Mouse, Human GGT1 Polyclonal Antibody | anti-GGT1 antibody

Anti-GGT1 Antibody, Rabbit Polyclonal

|                               |                       |                                   |                                             |
|-------------------------------|-----------------------|-----------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA254659</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse, Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|-----------------------------------|---------------------------------------------|

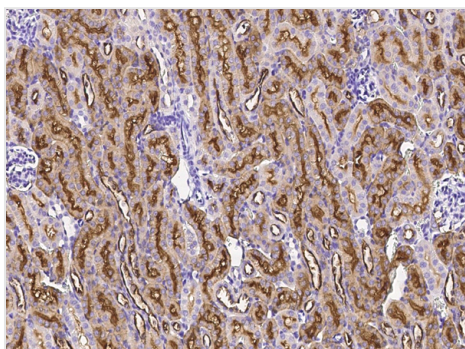
### PRODUCT SYNONYMS

GGT1; Polyclonal Antibody; Anti-GGT1 Antibody; Rabbit Polyclonal; GGT1 Antibody; Rabbit PAb; Antigen Affinity Purified; gamma-glutamyltransferase 1; Anti-CD224 Antibody; Anti-dwg Antibody; Anti-GGT Antibody; Anti-GGT-1 Antibody; Anti-Ggtp Antibody; anti-GGT1 antibody

### PRODUCT SPECIFICATIONS

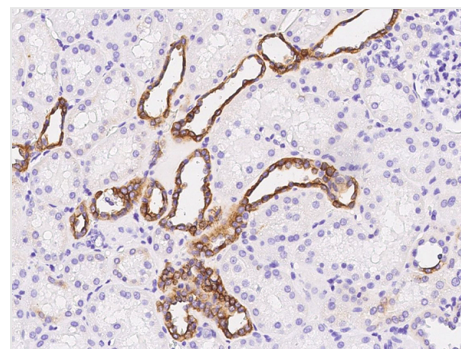
|                                                |                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                     | Mouse, Human                                                                                                                                                                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                    | Mouse GGT1                                                                                                                                                                                                                                                            |
| Purity/Purification                            | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                    | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-GGT1 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Immunogen                                      | A synthetic peptide corresponding to the center region of the Mouse GGT1                                                                                                                                                                                              |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                    | Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse GGT1, and purified by antigen affinity chromatography.                                                                                                         |
| Preparation and Storage                        | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunochemical staining GGT1 in mouse kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



#### IHC (Immunohistochemistry)

Immunochemical staining GGT1 in human kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GGT1 antibody | GGT1 belongs to the gamma-glutamyltransferase protein family. Many members of this family have not yet been fully characterized and some of which may represent pseudogenes. GGT1 is composed of a heavy chain and a light chain. It catalyzes the transfer of the glutamyl moiety of glutathione to a variety of amino acids and dipeptide acceptors. GGT1 also initiates extracellular glutathione (GSH) breakdown, provides cells with a local cysteine supply and contributes to maintain intracellular GSH level. As part of the cell antioxidant defense mechanism, GGT1 can be detected in fetal and adult kidney and liver, adult pancreas, stomach, intestine, placenta and lung. Defects in GGT1 can cause glutathionuria which is known as an autosomal recessive disease. |
| References                                         | Bulle F, et al. (1987) Assignment of the human gamma-glutamyl transferase gene to the long arm of chromosome 22. Hum Genet. 76(3):283-6.Tate SS, et al. (1988) Renal gamma-glutamyl transpeptidases: structural and immunological studies. Arch Biochem Biophys. 262(2):397-408.Tate SS, et al. (1988) In vitro translation and processing of human hepatoma cell (Hep G2) gamma-glutamyl transpeptidase. Biochem Biophys Res Commun. 154(3):1167-73.                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 807201132                           |
| NCBI GeneID                      | 14598                               |
| NCBI Accession #                 | NP_001292921.1                      |
| NCBI GenBank Nucleotide #        | NM_001305992.1                      |
| UniProt Accession #              | Q60928                              |
| Molecular Weight                 | 61,563 Da                           |
| NCBI Official Full Name          | gamma-glutamyltranspeptidase 1      |
| NCBI Official Synonym Full Names | gamma-glutamyltransferase 1         |
| NCBI Official Symbol             | Ggt1                                |
| NCBI Official Synonym Symbols    | GGT; dwg; Ggtp; CD224; GGT 1; GGT-1 |
| NCBI Protein Information         | gamma-glutamyltranspeptidase 1      |
| UniProt Protein Name             | Gamma-glutamyltranspeptidase 1      |
| UniProt Gene Name                | Ggt1                                |
| UniProt Synonym Gene Names       | Ggt; Ggtp; GGT 1                    |
| UniProt Entry Name               | GGT1_MOUSE                          |

**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.