

# GGT7 heavy chain Rabbit pAb

Catalog # AP96226

## Product Information

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| <b>Application</b>             | WB, E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Predicted</b>               | Rat, Pig, Human, Mouse, Dog, Horse, Sheep                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Calculated MW</b>           | 52 KDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human Gamma-glutamyltransferase 7 heavy chain                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Epitope Specificity</b>     | 151-250/662                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SUBCELLULAR LOCATION</b>    | Membrane; Single pass type II membrane protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SIMILARITY</b>              | Belongs to the gamma-glutamyltransferase family.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>SUBUNIT</b>                 | Heterodimer composed of the light and heavy chains. The active site is located in the light chain. Isoform 3 interacts with FAM57A.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Background Descriptions</b> | This gene is a member of a gene family that encodes enzymes involved in both the metabolism of glutathione and in the transpeptidation of amino acids. Changes in the activity of gamma-glutamyltransferase may signal preneoplastic or toxic conditions in the liver or kidney. The protein encoded by this gene consists of a heavy and a light chain, and it can interact with CT120, a plasma membrane-associated protein that is possibly involved in lung carcinogenesis. [provided by RefSeq, Jul 2008]. |

## Additional Information

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| <b>Gene ID</b>            | 2686                                                                                                                                                                                            |
| <b>Other Names</b>        | D20S101; GGT4; GGTL3; GGTL5; gamma-glutamyltransferase 7; gamma-glutamyltransferase-like 3                                                                                                      |
| <b>Target/Specificity</b> | Widely expressed, but at low level, except in the airway epithelial cells. Detected in brain, heart, kidney, liver, lung, spleen, testis and trachea.                                           |
| <b>Dilution</b>           | WB=1:500-2000,ELISA=1:5000-10000                                                                                                                                                                |
| <b>Storage</b>            | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| <b>Name</b>               | GGT7 heavy chain Rabbit pAb                                                                                                                                                                     |

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| <b>Function</b> | Cleaves glutathione conjugates. |
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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.