

## Rabbit GFPT1 Polyclonal Antibody | anti-GFPT1 antibody

GFPT1 Polyclonal Antibody

|                              |                       |                                        |                                                                               |
|------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA37458</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------|

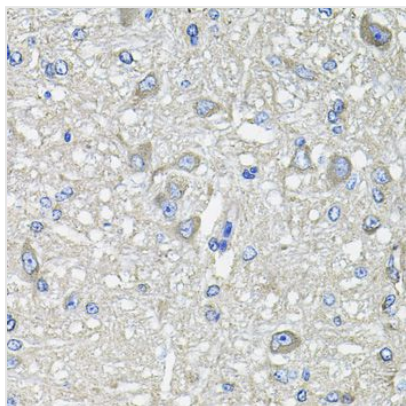
### PRODUCT SYNONYMS

GFPT1; Polyclonal Antibody; GFPT1 Polyclonal Antibody; GFA; GFAT; GFPT; MSLG; GFAT1; CMSTA1; GFAT 1; GFAT1m; GFPT1L; anti-GFPT1 antibody

### PRODUCT SPECIFICATIONS

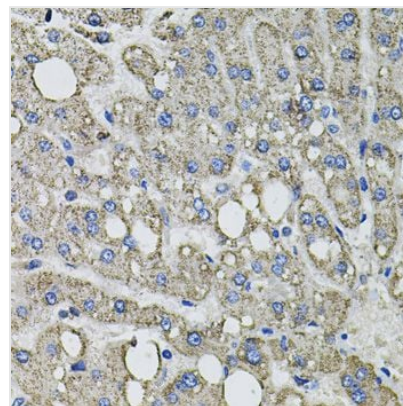
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 699                                                                                                                                                   |
| Applicable Applications for anti-GFPT1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Species                                         | Human                                                                                                                                                 |
| Immunogen                                       | Recombinant Protein                                                                                                                                   |
| Immunogen                                       | Recombinant protein of human GFPT1                                                                                                                    |
| Calculated Molecular Weight                     | 77kDa                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



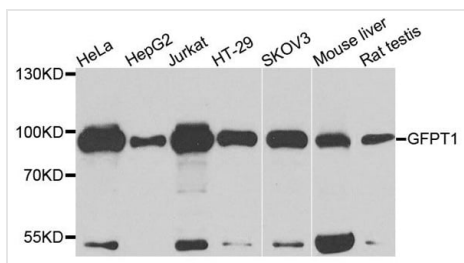
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using GFPT1 antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using GFPT1 antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GFPT1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                           |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GFPT1 antibody</b> | This gene encodes the first and rate-limiting enzyme of the hexosamine pathway and controls the flux of glucose into the hexosamine pathway. The product of this gene catalyzes the formation of glucosamine 6-phosphate. |
| <b>Product Categories/Family for anti-GFPT1 antibody</b>   | Polyclonal                                                                                                                                                                                                                |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 30923274                                                                                                                                                                                                                                                                                                                                 |
| <b>NCBI GeneID</b>                      | 2673                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt Accession #</b>              | Q06210; Q53QE6; Q9BXF8                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Weight</b>                 | 699                                                                                                                                                                                                                                                                                                                                      |
| <b>NCBI Official Full Name</b>          | Glutamine--fructose-6-phosphate aminotransferase                                                                                                                                                                                                                                                                                         |
| <b>NCBI Official Synonym Full Names</b> | glutamine--fructose-6-phosphate transaminase 1                                                                                                                                                                                                                                                                                           |
| <b>NCBI Official Symbol</b>             | GFPT1                                                                                                                                                                                                                                                                                                                                    |
| <b>NCBI Official Synonym Symbols</b>    | GFA; GFAT; GFPT; MSLG; GFAT1; CMSTA1; GFAT 1; GFAT1m; GFPT1L                                                                                                                                                                                                                                                                             |
| <b>NCBI Protein Information</b>         | glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1; glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1; hexosephosphate aminotransferase 1; D-fructose-6-phosphate amidotransferase 1; glutamine:fructose-6-phosphate amidotransferase 1; glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1 |
| <b>UniProt Protein Name</b>             | Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1                                                                                                                                                                                                                                                                         |
| <b>UniProt Gene Name</b>                | <b>GFPT1</b>                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt Synonym Gene Names</b>       | GFAT; GFPT; GFAT 1; GFAT1                                                                                                                                                                                                                                                                                                                |
| <b>UniProt Entry Name</b>               | GFPT1_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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Online datasheet: <https://www.aaabiotech.com/polyclonal/gfpt1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37458>