

**GFPT1 Antibody**  
**Rabbit mAb**  
**Catalog # AP92844****Specification**

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**GFPT1 Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">Q06210</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
CMS12; CMSTA1; GFA; GFAT; GFAT1; GFAT1m; GFPT; Gfpt1; GFPT1L; Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1; Hexosephosphate aminotransferase 1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	78806 Da

**GFPT1 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GFPT1
Description	Controls the flux of glucose into the hexosamine pathway. Most likely involved in regulating the availability of precursors for N- and O-linked glycosylation of proteins.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**GFPT1 Antibody - Protein Information****Name** GFPT1**Synonyms** GFAT, GFPT**Function**

Controls the flux of glucose into the hexosamine pathway. Most likely involved in regulating the availability of precursors for N- and O-linked glycosylation of proteins. Regulates the circadian expression of clock genes BMAL1 and CRY1 (By similarity). Has a role in fine tuning the metabolic fluctuations of cytosolic UDP-GlcNAc and its effects on hyaluronan synthesis that occur during

tissue remodeling (PubMed:<a href="http://www.uniprot.org/citations/26887390" target="\_blank">26887390</a>).

#### **Tissue Location**

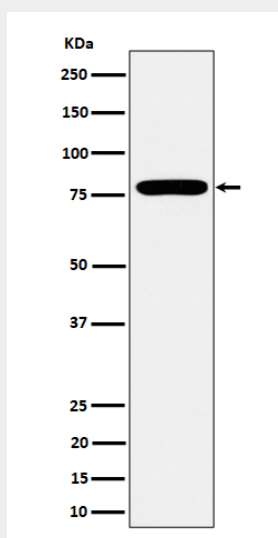
Isoform 1 is predominantly expressed in skeletal muscle. Not expressed in brain. Seems to be selectively expressed in striated muscle.

#### **GFPT1 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](#)

#### **GFPT1 Antibody - Images**



Western blot analysis of GFPT1 expression in MCF7 cell lysate.