

GFPT1 mouse monoclonal antibody (hybridoma)

Catalog # H00002673-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant GFPT1.
Immunogen	GFPT1 (AAH45641.1, 1 a.a. ~ 681 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MCGIFAYLNYHVPRTREILETLIKGLQRLEYRGYDSAGVGFDGGNDKDWEANACKIQLIKKKGKV KALDEEVHKQQDMDLDIEFDVHLGIAHTRWATHGEPSPVNSHPQRSKDKNNEFVIHNGIITNYKDLK KFLESKGYDFESETDTETIAKLVKYMYDNRESQDTSFTTLVERVIQQLEGAFALVFKSVHFPGQAV GTRRGSPLLIGVRSEHKLSTDHIPILYRTGKDKKGSCNLSRVDSTTCLFPVEEKAVEYYFASDASA VIEHTNRVIFLEDDDDVAAVVDGRLSIHRIKRTAGDHPGRAVQTLQMEQQIMKGNFSSFMQKEIFEQ PESVVNTMRGRVNFDDYTVNLGGLKDHKEIQRCCRLLIACGTSYHAGVATRQVLEELTELPVMVE LASDFLDRNTPVFRDDVCFFLSQSGETADTLMGLRYCKERGALTVGITNTVGSSISRETDCGVHIN AGPEIGVASTKAYTSQFVSLVMFALMMCCDRISMQERRKEIMLGLKRLPDLIKEVLMSMDDEIQKLA TELYHQKSVLIMGRGYHYATCLEGALKIKEITYMHSEGLAGELKHGPLALVDKLMPVIMIIMRDHTYA KCQNALQQVVARQGRPVICDKEDTETIKNTKRTIKVPHSVDCQLQGILSVIPLQLLAFHLAVLRGYD VDFPRNLAKSVTVE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GFPT1

Entrez GeneID	2673
GeneBank Accession#	BC045641.1
Protein Accession#	AAH45641.1
Gene Name	GFPT1
Gene Alias	GFA, GFAT, GFAT1, GFAT1m, GFPT
Gene Description	glutamine-fructose-6-phosphate transaminase 1
Omim ID	138292
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	glucosamine-fructose-6-phosphate aminotransferase[glutamine: fructose-6-phosphate amidotransferase-1

Pathway

- [Alanine](#)
- [Amino sugar and nucleotide sugar metabolism](#)
- [Metabolic pathways](#)

Disease

- [Diabetes Mellitus](#)

- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Obesity](#)