

GFPT2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9282c**Specification**

GFPT2 Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O94808
Other Accession	O4KMC4 , O9Z2Z9 , O08DQ2
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	76931
Antigen Region	175-201

GFPT2 Antibody (Center) - Additional Information**Gene ID** 9945**Other Names**

Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2, D-fructose-6-phosphate amidotransferase 2, Glutamine:fructose-6-phosphate amidotransferase 2, GFAT 2, GFAT2, Hexosephosphate aminotransferase 2, GFPT2

Target/Specificity

This GFPT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 175-201 amino acids from the Central region of human GFPT2.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GFPT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GFPT2 Antibody (Center) - Protein Information

Name GFPT2

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.

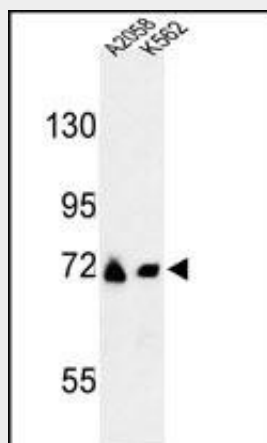
Tissue Location

Highest levels of expression in heart, placenta, and spinal cord

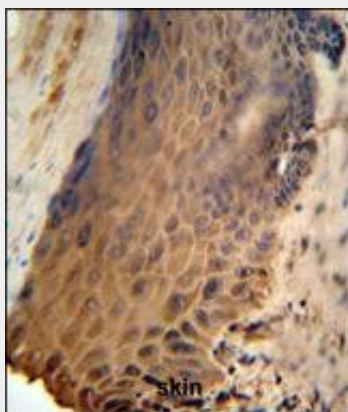
GFPT2 Antibody (Center) - Protocols

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](#)

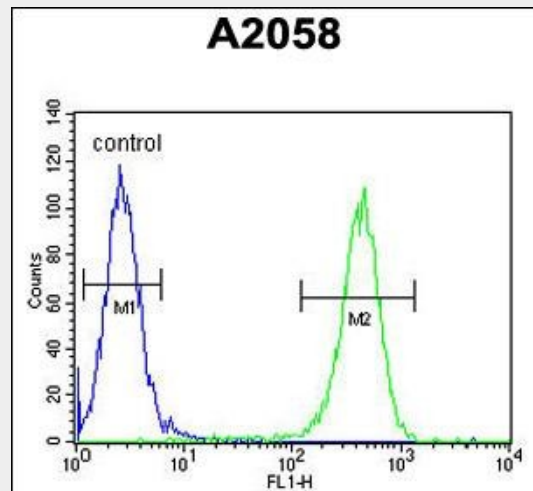
GFPT2 Antibody (Center) - Images

Western blot analysis of GFPT2 Antibody (Center) (Cat. #AP9282c) in A2058, K562 cell line lysates (35ug/lane). GFPT2 (arrow) was detected using the purified Pab.



GFPT2 Antibody (Center) (Cat. #AP9282c) IHC analysis in formalin fixed and paraffin embedded

human skin followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GFPT2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



GFPT2 Antibody (Center) (Cat. #AP9282c) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

GFPT2 Antibody (Center) - Background

GFPT2 controls the flux of glucose into the hexosamine pathway. This protein most likely involved in regulating the availability of precursors for N- and O-linked glycosylation of proteins.

GFPT2 Antibody (Center) - References

- Edwards, T.L., et.al., Ann. Hum. Genet. 74 (2), 97-109 (2010)
- Prasad, P., et.al., BMC Med. Genet. 11, 52 (2010)
- Srinivasan, V., et.al., Clin. Biochem. 40 (13-14), 952-957 (2007)