

Rabbit GFPT2 Polyclonal Antibody | anti-GFPT2 antibody

GFPT2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289656	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

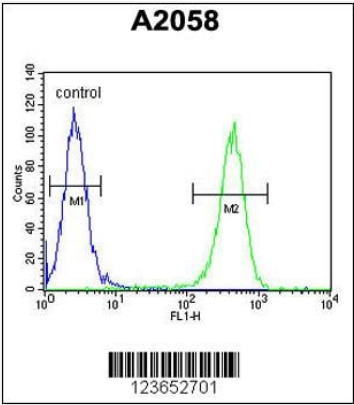
PRODUCT SYNONYMS

GFPT2; Polyclonal Antibody; GFPT2 Antibody (Center); 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; anti-GFPT2 antibody

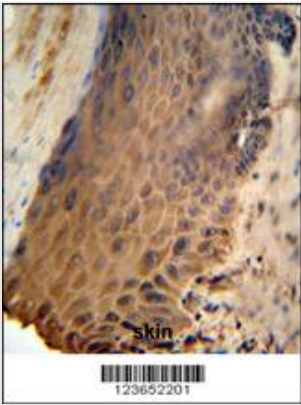
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	175-201
Sequence Length	682
Applicable Applications for anti-GFPT2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

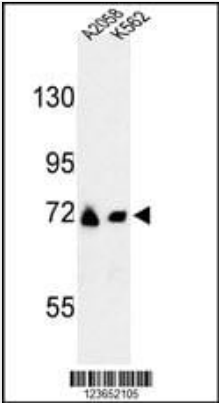
IMAGES



FCM/FACS (Flow Cytometry)
GFPT2 Antibody (Center) 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.



IHC (Immunohistochemistry)
GFPT2 Antibody (Center) 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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-GFPT2 antibody	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.
Product Categories/Family for anti-GFPT2 antibody	Cardiovascular; Metabolism; Signal transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826742
NCBI GeneID	9945
NCBI Accession #	NP_005101.1
NCBI GenBank Nucleotide #	NM_005110.2
UniProt Accession #	O94808; Q53XM2; Q9BWS4
Molecular Weight	76931

NCBI Official Full Name	glutamine--fructose-6-phosphate aminotransferase
NCBI Official Synonym Full Names	glutamine-fructose-6-phosphate transaminase 2
NCBI Official Symbol	GFPT2
NCBI Official Synonym Symbols	GFAT2
NCBI Protein Information	glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2
UniProt Protein Name	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2
UniProt Gene Name	GFPT2
UniProt Synonym Gene Names	GFAT 2; GFAT2
UniProt Entry Name	GFPT2_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://stage.aaabiotech.com/polyclonal/gfpt2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289656>