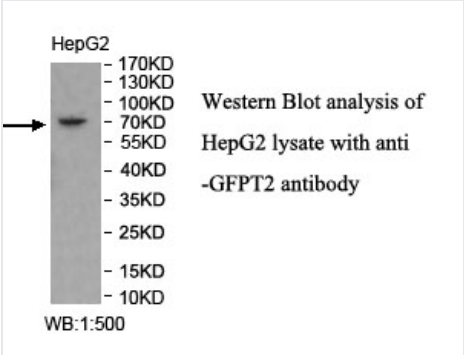
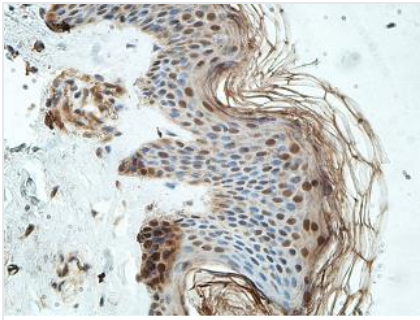
GFPT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GFPT2, Polyclonal Antibody
Full Product Name	GFPT2 Antibody
Product Gene Name	anti-GFPT2 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human Predicted: Mouse, Rat
Form/Format	Purified by protein affinity column containing 1% BSA and 0.02% NaN3
Preparation and Storage	Already reconstituted in 200ul sterile H2O. The antibody is stable for at least one year when stored at-20 degree C after reconstitution. Avoid repeated freeze/defrost cycles.
Molecular Weight	76,931 Da
OMIM	603865
3D Structure	ModBase 3D Structure for O94808
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GFPT2 antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-GFPT2 antibody	ELISA: 1:20,000-1:80,000 WB: 1:200-1:1,000 IHC: 1:100-1:500
Related Product Information for anti-GFPT2 antibody	Rabbit polyclonal GFPT2 (1) antibody was raised against a recombinate human GFPT2 protein 141-327 aa (BC000012).
Product References and Citations for anti-GFPT2 antibody	(1) Lango Allen, H., Estrada, K., Lettre, G., et al. Hundreds of variants clustered in genomic loci and biological pathways affect human height. Nature 467 (7317), 832-838 (2010).
Other Notes	Small volumes of anti-GFPT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GFPT2 purchase	MBS8527244 is an antibody targeting GFPT2. Also known as GFPT2 Antibody. Reactive in Human Predicted: Mouse, Rat. Host: Rabbit.



Testing Data of anti-GFPT2 antibody



Immunohistochemical staining of formalin-fixed paraffin-embedded human skin staining with anti-GFPT2 antibody at a dilution of 1/100

Testing Data of anti-GFPT2 antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GFPT2. It may not necessarily be applicable to this product.

NCBI GI #	4826742
NCBI GeneID	9945
NCBI Accession #	NP_005101.1
UniProt Primary Accession #	O94808
UniProt Secondary Accession #	Q53XM2; Q9BWS4
UniProt Related Accession #	O94808
GenBank Nucleotide #	NM_005110.3
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	GFAT; GFAT2; GFAT 2
UniProt Protein Name	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2
UniProt Synonym Protein Names	D-fructose-6-phosphate amidotransferase 2; Glutamine:fructose-6-phosphate amidotransferase 2; GFAT 2; GFAT2; Hexosephosphate aminotransferase 2
Protein Family	Glutamine--fructose-6-phosphate aminotransferase
UniProt Gene Name	GFPT2
UniProt Synonym Gene Names	GFAT 2; GFAT2
NCBI Protein Information	glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2
UniProt Comments for GFPT2	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.
Research Articles on GFPT2	**1.** GNPDA1 siRNA induced GFAT2 which was hardly measurable in these cells under standard culture conditions, GNPDA2 siRNA increased GFAT1, and GFAT1 siRNA increased the expression of hyaluronan synthase 2 (HAS2). Silencing of GFAT1 stimulated GNPDA1 and GDPDA2, and inhibited cell migration.
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