

DATASHEET

GFAT Rabbit Polyclonal Antibody

CAT. NO. APA14326

KEY FEATURES

Target	GFAT	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Rate-limiting enzyme of the hexosamine biosynthetic pathway (HBP) that catalyzes the formation of glucosamine-6-phosphate from fructose-6-phosphate and glutamine, thereby controlling the flux of glucose into this pathway that catalyzes the formation of glucosamine-6-phosphate from fructose-6-phosphate and glutamine, thereby controlling the flux of glucose into this pathway . Inhibited by UDP-N-acetylglucosamine (UDP-GlcNAc) through a feedback loop . Fine-tunes the metabolic fluctuations of UDP-GlcNAc and its impacts on hyaluronan synthesis during tissue remodeling . Via control of the HPB, regulates the availability of precursors for N- and O-linked protein glycosylation and modulates peripheral clock oscillation .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

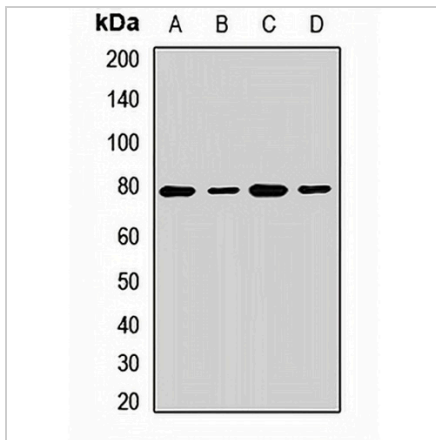
Description	Rabbit polyclonal antibody to GFAT
Specificity	Recognizes endogenous levels of GFAT protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human GFAT
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 76; Observed: 80 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GFAT; GFPT; Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 1; D-fructose-6-phosphate amidotransferase 1; Glutamine:fructose-6-phosphate amidotransferase 1; GFAT 1; GFAT1; Hexosephosphate aminotransferase 1
Gene Symbol	GFPT1
Entrez Gene	2673(Human); 14583(Mouse); 297417(Rat)
SwissProt	Q06210(Human); P47856(Mouse); P82808(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of GFAT expression in Jurkat (A), SKOV3 (B), mouse liver (C), rat testis (D) whole cell lysates. (Predicted band size: 76; 78 kD; Observed band size: 80 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.