

## GFPT1 rabbit pAb

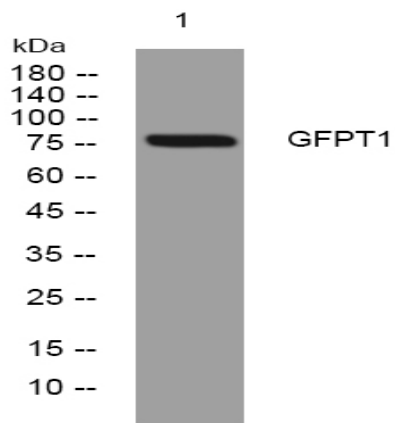
<b>Catalog No :</b>	YT6792
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	GFPT1
<b>Fields :</b>	>>Alanine, aspartate and glutamate metabolism;>>Amino sugar and nucleotide sugar metabolism;>>Metabolic pathways;>>Biosynthesis of nucleotide sugars;>>Insulin resistance;>>Diabetic cardiomyopathy
<b>Gene Name :</b>	GFPT1 GFAT GFPT
<b>Protein Name :</b>	GFPT1
<b>Human Gene Id :</b>	2673
<b>Human Swiss Prot No :</b>	Q06210
<b>Mouse Gene Id :</b>	14583
<b>Mouse Swiss Prot No :</b>	P47856
<b>Rat Gene Id :</b>	297417
<b>Rat Swiss Prot No :</b>	P82808
<b>Immunogen :</b>	Synthesized peptide derived from human GFPT1 AA range: 198-248
<b>Specificity :</b>	This antibody detects endogenous levels of GFPT1 at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000

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<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	77kD
<b>Background :</b>	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, Sep 2008],
<b>Function :</b>	catalytic activity:L-glutamine + D-fructose 6-phosphate = L-glutamate + D-glucosamine 6-phosphate.,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.,pathway:Nucleotide-sugar biosynthesis; UDP-N-acetyl-D-glucosamine biosynthesis; D-glucosamine 6-phosphate from D-fructose 6-phosphate: step 1/1.,similarity:Contains 1 glutamine amidotransferase type-2 domain.,similarity:Contains 2 SIS domains.,subunit:Homotetramer .,tissue specificity:Isoform 1 is predominantly expressed in skeletal muscle. Not expressed in brain. Seems to be selectively expressed in striated muscle.,
<b>Subcellular Location :</b>	cytosol,extracellular exosome,
<b>Expression :</b>	Isoform 1 is predominantly expressed in skeletal muscle. Not expressed in brain. Seems to be selectively expressed in striated muscle.
<b>Sort :</b>	6554
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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## Products Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4° over night