

## ACYP2 Polyclonal Antibody

<b>Catalog No :</b>	YT0109
<b>Reactivity :</b>	Human;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	ACYP2
<b>Fields :</b>	>>Pyruvate metabolism;>>Metabolic pathways
<b>Gene Name :</b>	ACYP2
<b>Protein Name :</b>	Acylphosphatase-2
<b>Human Gene Id :</b>	98
<b>Human Swiss Prot No :</b>	P14621
<b>Mouse Swiss Prot No :</b>	P56375
<b>Rat Swiss Prot No :</b>	P35745
<b>Immunogen :</b>	Synthesized peptide derived from ACYP2 . at AA range: 40-120
<b>Specificity :</b>	ACYP2 Polyclonal Antibody detects endogenous levels of ACYP2 protein.
<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 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<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>Observed Band :</b>	18kD
<b>Cell Pathway :</b>	Pyruvate metabolism;
<b>Background :</b>	Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the Ca <sup>2+</sup> /Mg <sup>2+</sup> -ATPase from sarcoplasmic reticulum of skeletal muscle. Two isoenzymes have been isolated, called muscle acylphosphatase and erythrocyte acylphosphatase on the basis of their tissue localization. This gene encodes the muscle-type isoform (MT). An increase of the MT isoform is associated with muscle differentiation. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016],
<b>Function :</b>	catalytic activity:An acylphosphate + H <sub>2</sub> O = a carboxylate + phosphate.,function:Its physiological role is not yet clear.,similarity:Belongs to the acylphosphatase family.,similarity:Contains 1 acylphosphatase-like domain.,
<b>Subcellular Location :</b>	mitochondrion,
<b>Expression :</b>	Heart,Muscle,Ovary,
<b>Sort :</b>	1723
<b>No4 :</b>	1

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