

ACYP2 Polyclonal Antibody

Catalog No :	YT0109
Reactivity :	Human;Rat
Applications :	WB;ELISA
Target :	ACYP2
Fields :	>>Pyruvate metabolism;>>Metabolic pathways
Gene Name :	ACYP2
Protein Name :	Acylphosphatase-2
Human Gene Id :	98
Human Swiss Prot No :	P14621
Mouse Swiss Prot No :	P56375
Rat Swiss Prot No :	P35745
Immunogen :	Synthesized peptide derived from ACYP2 . at AA range: 40-120
Specificity :	ACYP2 Polyclonal Antibody detects endogenous levels of ACYP2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Observed Band : 18kD

Cell Pathway : Pyruvate metabolism;

Background : Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the $\text{Ca}^{2+}/\text{Mg}^{2+}$ -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],

Function : catalytic activity: An acylphosphate + H_2O = a carboxylate + phosphate., function: Its physiological role is not yet clear., similarity: Belongs to the acylphosphatase family., similarity: Contains 1 acylphosphatase-like domain.,

Subcellular Location : mitochondrion,

Expression : Heart, Muscle, Ovary,

Products Images

