

**FAHD1 polyclonal antibody**

Catalog: BS35277

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Oxaloacetate tautomerase FAHD1, mitochondrial: Tautomerase that converts enol-oxaloacetate, a strong inhibitor of succinate dehydrogenase, to the physiological keto form of oxaloacetate. It is thereby required to maximize aerobic respiration efficiency by preventing succinate dehydrogenase inhibition. Also acts as a weak oxaloacetate decarboxylase (ODx), catalyzing the decarboxylation of oxaloacetate (OAA) to pyruvate and CO₂, and as such is likely a regulatory enzyme in the TCA cycle. Also displays acylpyruvase activity, being able to hydrolyze acetylpyruvate and fumarylpyruvate in vitro. Exhibits only a weak hydrolase activity on methylacetylpyruvate and acetylacetone, and no activity toward acetoacetyl-CoA.

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~24.5 kDa

Swiss-Prot:

Q6P587

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of FAHD1 protein

DATA:

Western blot analysis of H6PD expression in mouse liver (A), mouse kidney (B) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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