

FAHD1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55069

Specification

FAHD1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6P587
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24542

FAHD1 Polyclonal Antibody - Additional Information

Gene ID 81889

Other Names

Acylpyruvase FAHD1, mitochondrial, 3.7.1.5, Fumarylacetoacetate hydrolase domain-containing protein 1, FAH domain-containing protein 1, Oxaloacetate decarboxylase, OAA decarboxylase, 4.1.1.112, YisK-like protein, FAHD1, C16orf36, YISKL

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

FAHD1 Polyclonal Antibody - Protein Information

Name FAHD1 {ECO:0000303|PubMed:21878618, ECO:0000312|HGNC:HGNC:14169}

Function

Tautomerase that converts enol-oxaloacetate, a strong inhibitor of succinate dehydrogenase, to the physiological keto form of oxaloacetate (PubMed: 38287013). It is thereby required to maximize aerobic respiration efficiency by preventing succinate dehydrogenase inhibition (PubMed: 38287013). Also acts as a weak oxaloacetate decarboxylase (ODx), catalyzing the decarboxylation of oxaloacetate (OAA) to pyruvate and CO(2), and as such is likely a regulatory enzyme in the TCA cycle (PubMed: 25575590, PubMed: 30348641). Also displays acylpyruvase activity, being able to hydrolyze acetylpyruvate and fumarylpyruvate in vitro (PubMed: 21878618, PubMed: 30348641). Exhibits only a weak hydrolase activity on methylacetylpyruvate and acetylacetone, and no activity

toward acetoacetyl-CoA (PubMed:21878618).

Cellular Location

Mitochondrion. Cytoplasm, cytosol

Tissue Location

Ubiquitous (at protein level).

FAHD1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FAHD1 Polyclonal Antibody - Images