

DATASHEET

DHTKD1 Rabbit Polyclonal Antibody

CAT. NO. APA13272

KEY FEATURES

Target	DHTKD1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

2-oxoadipate dehydrogenase (E1a) component of the 2-oxoadipate dehydrogenase complex (OADHC) component of the 2-oxoadipate dehydrogenase complex (OADHC). Participates in the first step, rate limiting for the overall conversion of 2-oxoadipate (alpha-ketoadipate) to glutaryl-CoA and CO(2) catalyzed by the whole OADHC. Catalyzes the irreversible decarboxylation of 2-oxoadipate via the thiamine diphosphate (ThDP) cofactor and subsequent transfer of the decarboxylated acyl intermediate on an oxidized dihydrolipoyl group that is covalently amidated to the E2 enzyme (dihydrolipoylsuccinyltransferase or DLST) (Probable). Can catalyze the decarboxylation of 2-oxoglutarate in vitro, but at a much lower rate than 2-oxoadipate.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

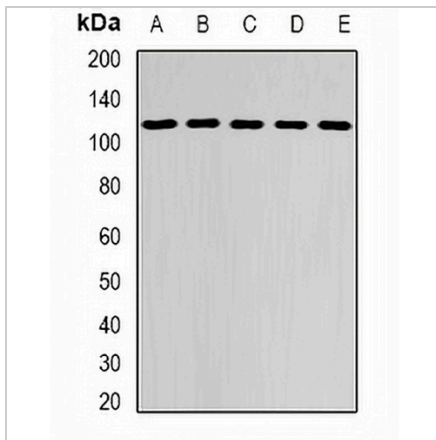
Description	Rabbit polyclonal antibody to DHTKD1
Specificity	Recognizes endogenous levels of DHTKD1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human DHTKD1
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 103 kD; Observed: 112 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA1630; Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1 mitochondrial; Dehydrogenase E1 and transketolase domain-containing protein 1
Gene Symbol	DHTKD1
Entrez Gene	55526(Human); 209692(Mouse); 361272(Rat)
SwissProt	Q96HY7(Human); A2ATU0(Mouse); Q4KLP0(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of DHTKD1 expression in MCF7 (A), HepG2 (B), mouse brain (C), mouse kidney (D), rat liver (E) whole cell lysates. (Predicted band size: 103 kD; Observed band size: 112 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.