

ODC Polyclonal Antibody

Catalog # AP71419

Product Information

Application WB, IHC-P Primary Accession O9BOT8

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW33303

Additional Information

Gene ID 89874

Other Names SLC25A21; ODC; Mitochondrial 2-oxodicarboxylate carrier; Solute carrier

family 25 member 21

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

Protein Information

Name SLC25A21

Synonyms ODC

Function Transports dicarboxylates across the inner membranes of mitochondria by a

counter-exchange mechanism (PubMed:<u>11083877</u>). Can transport

2-oxoadipate (2-oxohexanedioate), 2-oxoglutarate, adipate (hexanedioate), glutarate, and to a lesser extent, pimelate (heptanedioate), 2-oxopimelate (2-oxoheptanedioate), 2-aminoadipate (2- aminohexanedioate), oxaloacetate, and citrate (PubMed:11083877). Plays a central role in catabolism of lysine, hydroxylysine, and tryptophan, by transporting common metabolite intermediates (such as 2-oxoadipate) into the mitochondria, where it is converted into acetyl-CoA and can enter the citric acid (TCA) cycle (Probable).

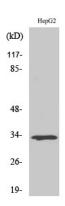
Cellular Location Mitochondrion inner membrane; Multi-pass membrane protein

Tissue Location Expressed in placenta, gall bladder and colon.

Background

Transports C5-C7 oxodicarboxylates across the inner membranes of mitochondria. Can transport 2-oxoadipate, 2- oxoglutarate, adipate, glutarate, and to a lesser extent, pimelate, 2-oxopimelate, 2-aminoadipate, oxaloacetate, and citrate.

Images



Western Blot analysis of various cells using ODC Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.