

ODC Polyclonal Antibody
Catalog # AP71419**Specification**

ODC Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q9BQT8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

ODC Polyclonal Antibody - 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

ODC Polyclonal Antibody - Protein Information**Name** SLC25A21**Synonyms** ODC**Function**

Transports dicarboxylates across the inner membranes of mitochondria by a counter-exchange mechanism (PubMed:11083877). 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

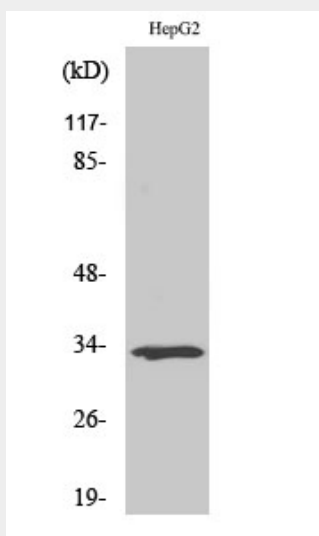
Tissue Location

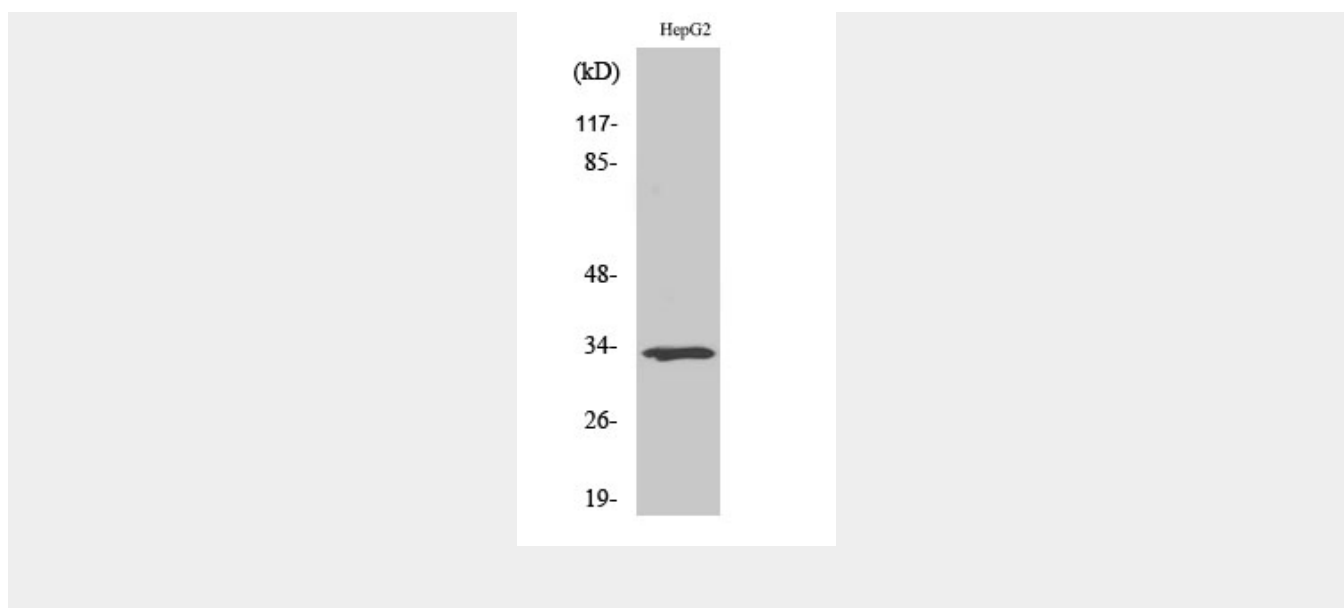
Expressed in placenta, gall bladder and colon.

ODC 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](#)

ODC Polyclonal Antibody - Images



ODC Polyclonal Antibody - 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.