

Datasheet for ABIN2783387
anti-OXCT1 antibody (N-Term)

2 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	OXCT1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Zebrafish (Danio rerio), Guinea Pig, Dog, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OXCT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human OXCT1
Sequence:	TLAERIRAGG AGVPAFYTPT GYGTLVQEGG SPIKYNKDGS VAIASKPREV
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against OXCT1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	OXCT1
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Target Details

Alternative Name:	OXCT1 (OXCT1 Products)
Background:	<p>OXCT1 is a member of the 3-oxoacid CoA-transferase gene family. It is a homodimeric mitochondrial matrix enzyme that plays a central role in extrahepatic ketone body catabolism by catalyzing the reversible transfer of coenzyme A from succinyl-CoA to acetoacetate. This gene encodes a member of the 3-oxoacid CoA-transferase gene family. The encoded protein is a homodimeric mitochondrial matrix enzyme that plays a central role in extrahepatic ketone body catabolism by catalyzing the reversible transfer of coenzyme A from succinyl-CoA to acetoacetate. Mutations in this gene are associated with succinyl CoA:3-oxoacid CoA transferase deficiency.</p> <p>Alias Symbols: OXCT, SCOT</p> <p>Protein Interaction Partner: SUMO2, UBC, MDM2, THOP1, RBBP7, PTPN11, PTMS, NME1, IDH1, HSPD1, MAPK14, ADSS, MTPN, C12orf10, CBX3, C11orf58, WDR1, IQCB1, TMEM189, TMEM9, VMA21, S100A16, TMEM177, SCAF4, SEPT11, SDHAF2, TIMM9, TOR1AIP1, UBXN7, VAPB, SUCLA2, SUCLG1, UQCRFS1P1, UQCRFS1, T</p> <p>Protein Size: 520</p>
Molecular Weight:	52 kDa
Gene ID:	5019
NCBI Accession:	NM_000436 , NP_000427
UniProt:	P55809
Pathways:	Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 520 AA
Restrictions:	For Research Use only

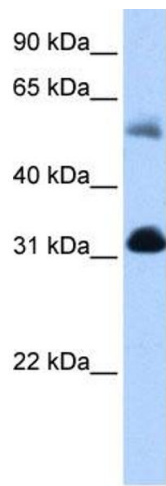
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

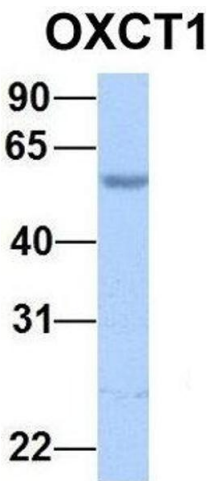
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-OXCT1 Antibody Titration: 0.2-1 ug/ml Positive Control: Hela cell lysate OXCT1 is supported by BioGPS gene expression data to be expressed in HeLa



Western Blotting

Image 2. Host: Rabbit Target Name: OXCT1 Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml