

# SLC25A20 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58130

## Product Information

<b>Application</b>	WB, IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">O43772</a>
<b>Reactivity</b>	Rat, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	32944

## Additional Information

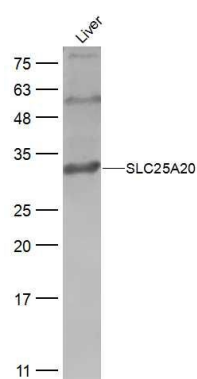
<b>Gene ID</b>	788
<b>Other Names</b>	Mitochondrial carnitine/acylcarnitine carrier protein, Carnitine/acylcarnitine translocase, CAC, Solute carrier family 25 member 20, SLC25A20 ( <a href="#">HGNC:1421</a> ), CAC, CACT
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	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.

## Protein Information

<b>Name</b>	SLC25A20 ( <a href="#">HGNC:1421</a> )
<b>Synonyms</b>	CAC, CACT
<b>Function</b>	Mediates the electroneutral exchange of acylcarnitines (O- acyl-(R)-carnitine or L-acylcarnitine) of different acyl chain lengths (ranging from O-acetyl-(R)-carnitine to long-chain O-acyl-(R)- carnitines) with free carnitine ((R)-carnitine or L-carnitine) across the mitochondrial inner membrane, via a ping-pong mechanism (Probable) (PubMed: <a href="#">12892634</a> , PubMed: <a href="#">18307102</a> ). Key player in the mitochondrial oxidation pathway, it translocates the fatty acids in the form of acylcarnitines into the mitochondrial matrix, where the carnitine palmitoyltransferase 2 (CPT-2) activates them to undergo fatty acid beta-oxidation (Probable). Catalyzes the unidirectional transport (uniport) of carnitine at lower rates than the antiport (exchange) (PubMed: <a href="#">18307102</a> ).
<b>Cellular Location</b>	Mitochondrion inner membrane; Multi-pass membrane protein

## Images

---



### Sample:

Liver (Mouse) Lysate at 40 ug

Primary: Anti-SLC25A20 (AP58130) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution

Predicted band size: 33 kD

Observed band size: 33 kD

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