

# Anti-SLC25A11 Antibody

Catalog # AP53711

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q02978</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	34062

## Additional Information

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<b>Gene ID</b>	8402
<b>Other Names</b>	SLC20A4; Mitochondrial 2-oxoglutarate/malate carrier protein; OGCP; Solute carrier family 25 member 11
<b>Target/Specificity</b>	Recognizes endogenous levels of SLC25A11 protein.
<b>Dilution</b>	WB~~1/500 - 1/1000
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	SLC25A11
<b>Synonyms</b>	SLC20A4
<b>Function</b>	Catalyzes the transport of 2-oxoglutarate (alpha- oxoglutarate) across the inner mitochondrial membrane in an electroneutral exchange for malate (PubMed: <a href="#">25637873</a> , PubMed: <a href="#">38937634</a> ). Can also exchange 2-oxoglutarate for other dicarboxylic acids such as malonate, succinate, maleate and oxaloacetate, although with lower affinity (By similarity). Substrate exchange across the membrane occurs consecutively with one substrate being transported first, then dissociating from the substrate binding site before the second substrate binds for transport in the opposite direction (PubMed: <a href="#">38937634</a> ). Does not transport glutathione (PubMed: <a href="#">25637873</a> ). Contributes to several metabolic processes, including the malate- aspartate shuttle, the oxoglutarate/isocitrate shuttle, gluconeogenesis from lactate, and nitrogen metabolism (By similarity). Maintains mitochondrial fusion and fission events, and the organization and morphology of cristae (PubMed: <a href="#">21448454</a> ). Involved in the regulation of apoptosis (By similarity).

**Cellular Location** Mitochondrion inner membrane {ECO:0000250|UniProtKB:P97700};  
Multi-pass membrane protein

**Tissue Location** Most highly expressed in the heart.

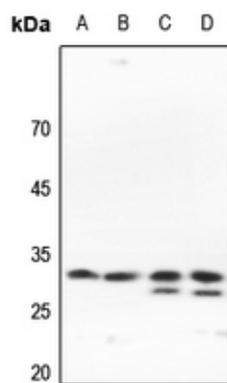
## Background

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Rabbit polyclonal antibody to SLC25A11

## Images

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Western blot analysis of SLC25A11 expression in HEK293T (A), HeLa (B), rat kidney (C), rat spleen (D) whole cell lysates.

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