SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
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[Primary Antibody]

Rabbit Anti-SLC25A11 antibody

Catalog Number: SL8703R

FOR RESEARCH USE ONLY

[DATASHEET]

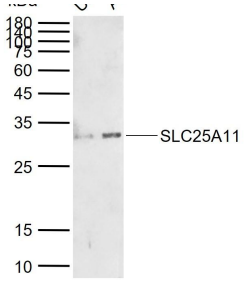
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	SLC25A11
Immunogen:	KLH conjugated synthetic peptide derived from human SLC25A15: 101-200/314
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4 Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 Flow-Cyt=1ug/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Cow,Rabbit,Sheep,GuineaPig)
Predicted MW.:	34kDa
Subcellular Location:	The cell membrane
Background:	The oxoglutarate/malate carrier transports 2-oxoglutarate across the inner membranes of mitochondria in an electroneutral exchange for malate or other dicarboxylic acids (summary by Iacobazzi et al., 1992 [PubMed 1457818]).[supplied by OMIM, Jan 2011] **Function:** Catalyzes the transport of 2-oxoglutarate across the inner mitochondrial membrane in an electroneutral exchange for malate or other dicarboxylic acids, and plays an important role in several metabolic processes, including the malate-aspartate shuttle, the oxoglutarate/isocitrate shuttle, in gluconeogenesis from lactate, and in nitrogen metabolism. **Subcellular Location:** Mitochondrion inner membrane. **Similarity:** Belongs to the mitochondrial carrier family. Contains 3 Solcar repeats. **Database links:**

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

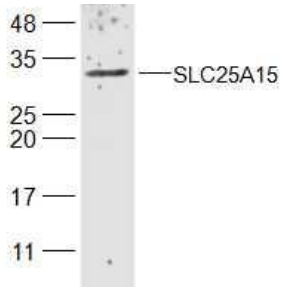
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	Entrez Gene: 8402 Human **Entrez Gene:** 67863 Mouse **Entrez Gene:** 64201 Rat Omim: 604165 Human **SwissProt:** Q02978 Human **SwissProt:** Q9CR62 Mouse **SwissProt:** P97700 Rat **Unigene:** 184877 Human **Unigene:** 296082 Mouse **Unigene:** 466994 Mouse **Unigene:** 853 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Human U251 cell lysates
Lane 2: Human A549 cell lysates
Primary: Anti-SLC25A11 (SL8703R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kDa
Observed band size: 32 kDa



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti-SLC25A15 (SL8703R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34 kD
Observed band size: 34 kD

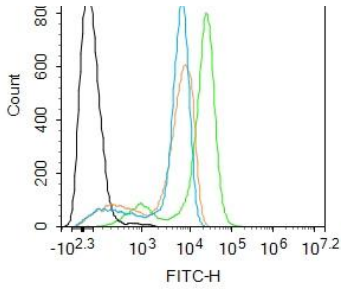
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Blank control: THP-1.
Primary Antibody (green line): Rabbit Anti-SLC25A15 antibody (SL8703R)
Dilution: 1μg /10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG .
Secondary Antibody : Goat anti-rabbit IgG-FITC
Dilution: 1μg /test.
Protocol
The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST methanol for 20 min at room temperature.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature.The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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