

For Research Use Only

SLC25A10 Polyclonal antibody

Catalog Number: 12086-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number: 12086-1-AP	GenBank Accession Number: BC015797	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 1468	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	
Isotype: IgG	Calculated MW: 296 aa, 32 kDa	
Immunogen Catalog Number: AG2719	Observed MW: 29-31 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, A549 cells, mouse liver tissue, mouse kidney tissue, HepG2 cells, PC-3 cells

IP : mouse liver tissue,

IHC : human lung tissue, mouse kidney tissue

Background Information

SLC25A10, also known as dicarboxylate ion carrier (DIC), is a mitochondrial inner membrane carrier protein which catalyzes the transport of dicarboxylates such as malate and succinate across the mitochondrial membrane in exchange for phosphate, sulfate, and thiosulfate. SLC25A10 is expressed at highest levels in kidney and liver, lower levels in lung, spleen, heart, and brain, and lowest levels in skeletal muscle. Two isoforms of SLC25A10 exist due to the alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Borong Zhou	36104652	Hum Cell	IHC,WB
Gaoyuan Wang	32774476	Oncol Lett	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

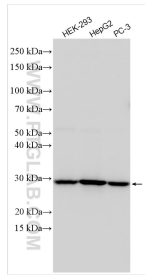
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

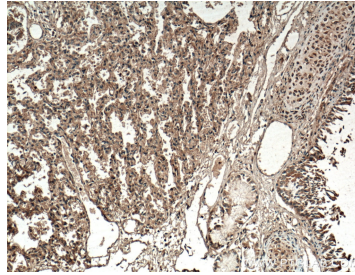
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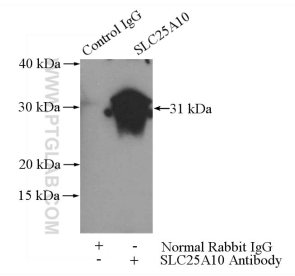
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12086-1-AP (SLC25A10 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 12086-1-AP (SLC25A10 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-SLC25A10 (IP:12086-1-AP, 3ug; Detection:12086-1-AP 1:500) with mouse liver tissue lysate 4000ug.