

For Research Use Only

SLC16A5 Polyclonal antibody

Catalog Number: 12120-1-AP



Basic Information

Catalog Number: 12120-1-AP	GenBank Accession Number: BC009684	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1300 ug/ml by Nanodrop;	GeneID (NCBI): 9121	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O15375	
Isotype: IgG	Full Name: solute carrier family 16, member 5 (monocarboxylic acid transporter 6)	
Immunogen Catalog Number: AG2762	Calculated MW: 505 aa, 55 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse skeletal muscle tissue, human placenta tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human breast cancer tissue, human kidney tissue

Background Information

Monocarboxylate transporter 5 (SLC16A5), also named as MCT6, is a member of the MCT family. SLC16A5 is a proton-linked monocarboxylate transporter that catalyzes the rapid transport across the plasma membrane of many monocarboxylates and it can transport various drugs. It has been reported that SLC16A5 mutation may be a novel genetic risk factor for cisplatin-induced ototoxic (CIO) in testicular cancer patients. There are some isoforms of SLC16A5 among 50-55 kDa. (PMID: 16174808, 28448657)

Storage

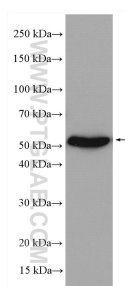
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

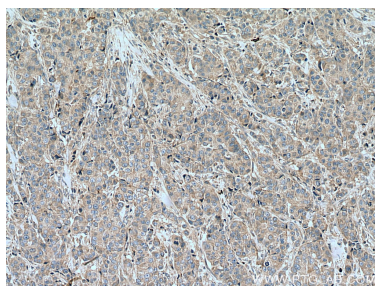
For technical support and original validation data for this product please contact:
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Selected Validation Data



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 12120-1-AP (SLC16A5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12120-1-AP (SLC16A5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).