SLC16A5 Polyclonal antibody

Catalog Number:12120-1-AP

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Basic Information

Catalog Number:
12120-1-AP

Size:
1300 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2762

GenBank Accession Number:
BC009684

GeneID (NCBI):
9121

UNIPROT ID:
O15375

Full Name:
solute carrier family 16, member 5
(monocarboxylic acid transporter 6)

Calculated MW:
505 aa, 55 kDa

Observed MW:
50-55 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
IHC, WB, ELISA

Species Specificity:
human, mouse

***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 : mouse skeletal muscle tissue, human placenta
tissue

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
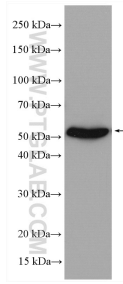
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 12120-1-AP (SLC16A5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.
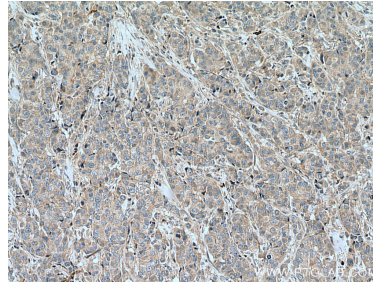
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12120-1-AP (SLC16A5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).