

SLC2A12 Polyclonal antibody

Catalog Number: 26958-1-AP

Basic Information

Catalog Number:

26958-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24979

GenBank Accession Number:

BC070149

GeneID (NCBI):

154091

UNIPROT ID:

Q8TD20

Full Name:

solute carrier family 2 (facilitated glucose transporter), member 12

Calculated MW:

617 aa, 67 kDa

Observed MW:

67-70 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 heart tissue, unboiled mouse heart tissue

IHC : mouse skeletal muscle tissue,

Background Information

SLC2A12 encodes glucose transporter type 12 (GLUT12), a basal and insulin-independent glucose transporter in the heart with previously reported associations with idiopathic dilated cardiomyopathy in humans, as well as insulin resistance and kidney disease in animal models (PMID: 37081215).

Storage

Storage:

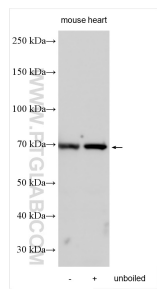
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

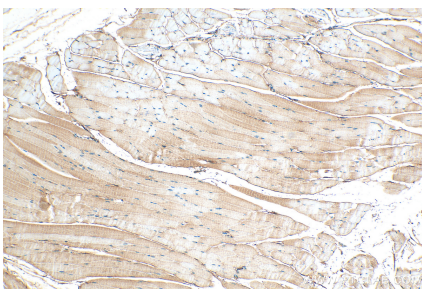
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

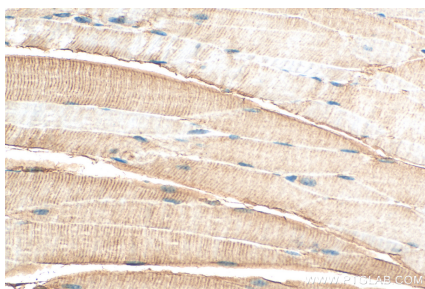
Selected Validation Data



Boiled and unboiled mouse heart tissue were subjected to SDS PAGE followed by western blot with 26958-1-AP (SLC2A12 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 26958-1-AP (SLC2A12 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 26958-1-AP (SLC2A12 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).