

For Research Use Only

SLC6A8 Recombinant monoclonal antibody

Catalog Number: 88049-1-RR



Basic Information

Catalog Number:

88049-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14500

GenBank Accession Number:

BC012355

GeneID (NCBI):

6535

UNIPROT ID:

P48029

Full Name:

solute carrier family 6
(neurotransmitter transporter,
creatine), member 8

Calculated MW:

635 aa, 71 kDa

Observed MW:

65-75 kDa

Purification Method:

Protein A purification

CloneNo.:

260302B8

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : rat kidney tissue, mouse heart tissue, mouse
kidney tissue, rat heart tissue

Background Information

SLC6A8, also known as the sodium- and chloride-dependent creatine transporter 1 (CT1), plays a critical role in transporting creatine, a crucial molecule for energy metabolism, into cells. SLC6A8 belongs to the solute carrier family 6 (SLC6), responsible for transporting diverse molecules across cell membranes. SLC6A8 expression is highest in muscle, kidney, and other tissues with high energy demands. Mutations in SLC6A8 cause creatine transporter deficiency, an X-linked mental retardation disorder (PMID: 17465020). The 75 kDa band is a glycosylated modified form.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

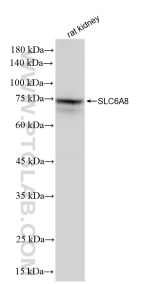
T: 4006900926

E: Proteintech-CN@ptglab.com

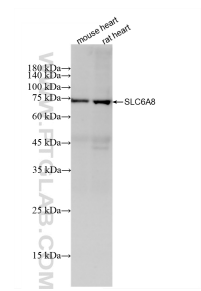
W: ptgcn.com

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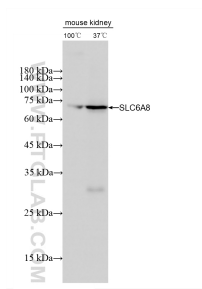
Selected Validation Data



rat kidney tissue were subjected to SDS PAGE followed by western blot with 88049-1-RR (SLC6A8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 88049-1-RR (SLC6A8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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