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SLC6A8 Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22082a

Specification

SLC6A8 Antibody (N-Term) - Product Information

Application	**WB,E**
Primary Accession	P48029
Other Accession	O18875, Q8VBW1, P28570
Reactivity	**Mouse**
Predicted	**Bovine, Rat**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**70523**

SLC6A8 Antibody (N-Term) - Additional Information

Gene ID 6535

Other Names
Sodium- and chloride-dependent creatine transporter 1, CT1, Creatine transporter 1, Solute carrier family 6 member 8, SLC6A8

Target/Specificity
This SLC6A8 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 180-212 amino acids from human SLC6A8.

Dilution
WB~~1:2000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SLC6A8 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC6A8 Antibody (N-Term) - Protein Information

Name SLC6A8

Function Creatine:sodium symporter which mediates the uptake of creatine (PubMed:7953292,

PubMed:7945388, PubMed:9882430, PubMed:17465020, PubMed:22644605, PubMed:25861866). Plays an important role in supplying creatine to the brain via the blood-brain barrier (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein

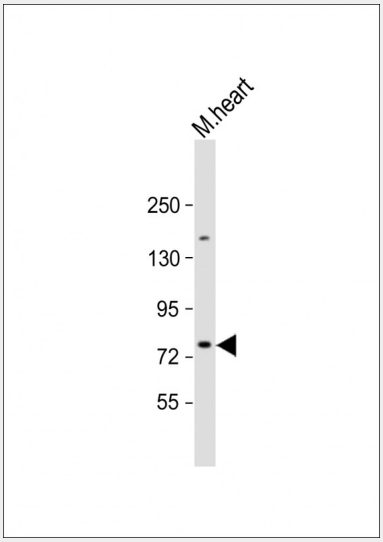
Tissue Location
Predominantly expressed in skeletal muscle and kidney. Also found in brain, heart, colon, testis and prostate

SLC6A8 Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLC6A8 Antibody (N-Term) - Images



Anti-SLC6A8 Antibody (N-Term) at 1:2000 dilution + mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 71 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

SLC6A8 Antibody (N-Term) - Background

Required for the uptake of creatine in muscles and brain.

SLC6A8 Antibody (N-Term) - References

Nash S.R.,et al.Recept. Channels 2:165-174(1994).

Sora I.,et al.Biochem. Biophys. Res. Commun. 204:419-427(1994).
Sandoval N.,et al.Genomics 35:383-385(1996).
Barnwell L.F.,et al.Gene 159:287-288(1995).
Martinez-Munoz C.,et al.Gene 418:53-59(2008).