

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

E~~Use at an assay dependent concentration.

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:[17465020](#), PubMed:[22644605](#), PubMed:[25861866](#), PubMed:[7945388](#), PubMed:[7953292](#), PubMed:[9882430](#)). 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

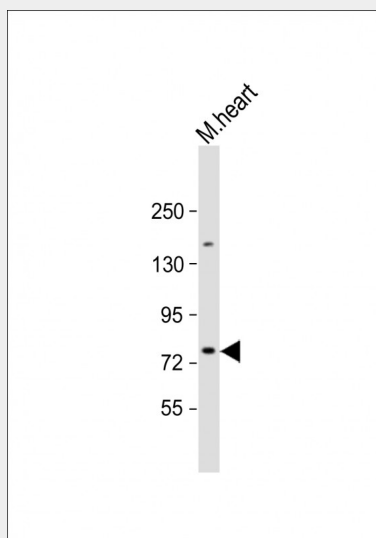
Predominantly expressed in skeletal muscle and kidney. Also found in brain, heart, colon, testis and prostate

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 Cytometry](#)
- [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% NFD/MTBST.

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).