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SLC6A8 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51857

Specification

SLC6A8 Antibody - Product Information

Application	**WB, E**
Primary Accession	P48029
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**70 KDa**

SLC6A8 Antibody - 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
KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SLC6A8. The exact sequence is proprietary.

Dilution
WB~~1:1000
E~~N/A

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

SLC6A8 Antibody - 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 - 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 - Images

SLC6A8 Antibody - Background

Required for the uptake of creatine in muscles and brain.

SLC6A8 Antibody - 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).