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Creatine transporter 1 / SLC6A8 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3438a

Specification

Creatine transporter 1 / SLC6A8 Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	P48029
Other Accession	NP_005620.1, NP_001136277.1, NP_001136278.1, 6535, 102857 (mouse), 50690 (rat)
Reactivity	**Mouse**
Predicted	**Human, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**70523**

Creatine transporter 1 / SLC6A8 Antibody (internal region) - 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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Creatine transporter 1 / SLC6A8 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Creatine transporter 1 / SLC6A8 Antibody (internal region) - Protein Information

Name SLC6A8

Function
Creatine:sodium symporter which mediates the uptake of creatine (PubMed:7953292, PubMed:7945388, PubMed:9882430, PubMed:<a

href="http://www.uniprot.org/citations/17465020" target="_blank">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

Creatine transporter 1 / SLC6A8 Antibody (internal region) - 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

Creatine transporter 1 / SLC6A8 Antibody (internal region) - Images



AF3438a (0.1 µg/ml) staining of Mouse Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Creatine transporter 1 / SLC6A8 Antibody (internal region) - Background

This antibody is expected to recognize all reported isoforms (NP_005620.1; NP_001136277.1; NP_001136278.1).

Creatine transporter 1 / SLC6A8 Antibody (internal region) - References

Dissociation of AGAT, GAMT and SLC6A8 in CNS: relevance to creatine deficiency syndromes. Braissant O, BÃ©ard E, Torrent C, Henry H, Neurobiology of disease 2010 Feb 37 (2): 423-33. PMID: 19879361