

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, E
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
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

Dilution

WB~~1:1000

E~~N/A

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: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

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 Cytometry](#)
- [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, B  ard E, Torrent C, Henry H, Neurobiology of disease 2010 Feb 37 (2): 423-33. PMID: 19879361