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Anti-SLC6A8 Antibody

Catalog # AP51857

Product Information

Application	WB, IF/IC
Primary Accession	P48029
Reactivity	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70523

Additional Information

Gene ID	6535
Other Names	Sodium- and chloride-dependent creatine transporter 1; CT1; Creatine transporter 1; Solute carrier family 6 member 8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SLC6A8. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

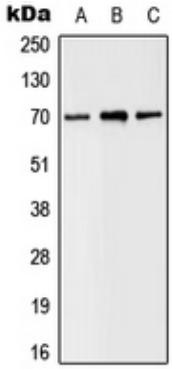
Protein Information

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

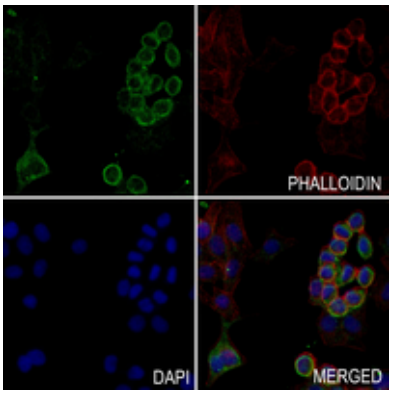
References

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Sora I.,et al.Biochem. Biophys. Res. Commun. 204:419-427(1994).
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Images



Western blot analysis of SLC6A8 expression in MDAMB435 (A), Raw264.7 (B), H9C2 (C) whole cell lysates. (Predicted band size: 30; 58; 70; 80 kD; Observed band size: 70 kD)



Immunofluorescent analysis of SLC6A8 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.