

SLC6A8 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51857

Product Information

Application	WB
Primary Accession	P48029
Reactivity	Human, Mouse, Rat
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, 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
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

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

Background

Required for the uptake of creatine in muscles and brain.

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).

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