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SLC6A8 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22082a

Product Information

Application	WB, E
Primary Accession	P48029
Other Accession	O18875, Q8VBW1, P28570
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse, Rat, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55060
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	This SLC6A8 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 180-212 amino acids from human SLC6A8.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SLC6A8 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

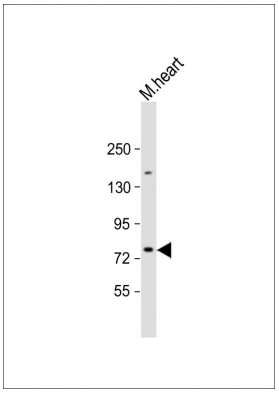
Background

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).

Images



Anti-SLC6A8 Antibody (N-Term) at 1:2000 dilution + mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 71 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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