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Anti-SLC22A17 Antibody

Catalog # AP51513

Product Information

Application	WB
Primary Accession	Q8WUG5
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68619

Additional Information

Gene ID	51310
Other Names	BOCT; BOIT; Solute carrier family 22 member 17; 24p3 receptor; 24p3R; Brain-type organic cation transporter; Lipocalin-2 receptor; Neutrophil gelatinase-associated lipocalin receptor; NgalR
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SLC22A17. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
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

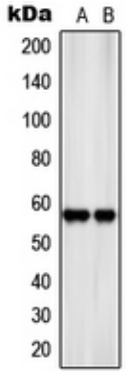
Name	SLC22A17
Synonyms	BOCT, BOIT
Function	Cell surface receptor for LCN2 (24p3) that plays a key role in iron homeostasis and transport. Able to bind iron-bound LCN2 (holo- 24p3), followed by internalization of holo-24p3 and release of iron, thereby increasing intracellular iron concentration and leading to inhibition of apoptosis. Also binds iron-free LCN2 (apo-24p3), followed by internalization of apo-24p3 and its association with an intracellular siderophore, leading to iron chelation and iron transfer to the extracellular medium, thereby reducing intracellular iron concentration and resulting in apoptosis (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein. Vacuole membrane; Multi-pass membrane protein. Note=Upon LCN2-binding, it is internalized

Tissue Location	Expressed in brain.

References

Fang W.K.,et al.Biochem. J. 403:297-303(2007).
Li W.B.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Heilig R.,et al.Nature 421:601-607(2003).
Bruess M.,et al.Submitted (AUG-2000) to the EMBL/GenBank/DDBJ databases.
Devireddy L.R.,et al.Cell 123:1293-1305(2005).

Images



Western blot analysis of SLC22A17 expression in SKNSH (A), rat kidney (B) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 57 kD)

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