

SLC22A17 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2815a**Specification**

SLC22A17 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q8WUG5
Other Accession	NP_065105.2 , NP_057693.3 , 51310 , 59049 (mouse), 305886 (rat)
Predicted Host	Human, Mouse, Rat, Dog, Cow
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	68619

SLC22A17 Antibody (internal region) - Additional Information**Gene ID** 51310**Other Names**

Solute carrier family 22 member 17, 24p3 receptor, 24p3R, Brain-type organic cation transporter, Lipocalin-2 receptor, Neutrophil gelatinase-associated lipocalin receptor, NgaiR, SLC22A17, BOCT, BOIT

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

SLC22A17 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC22A17 Antibody (internal region) - 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.

SLC22A17 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](#)

SLC22A17 Antibody (internal region) - Images**SLC22A17 Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms NP_065105.2 and NP_057693.3).

SLC22A17 Antibody (internal region) - References

A cell-surface receptor for lipocalin 24p3 selectively mediates apoptosis and iron uptake. Devireddy LR, Gazin C, Zhu X, Green MR. Cell. 2005 Dec 29;123(7):1293-305. PMID: 16377569