

SLC22A17 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12619**Specification**

SLC22A17 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q8WUG5
Reactivity	Human, Mouse, Rat, Hamster, Monkey, Pig, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	58kDa KDa

SLC22A17 Antibody (Internal) - 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

Target/Specificity

Human SLC22A17. This antibody is expected to recognize both reported isoforms NP_065105.2 and NP_057693.3).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

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

SLC22A17 Antibody (Internal) - 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.

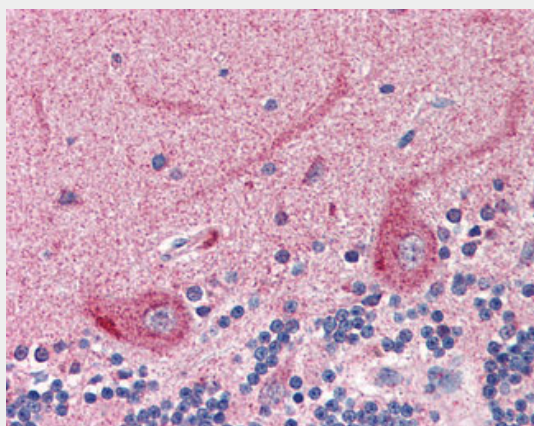
Volume

50 µl

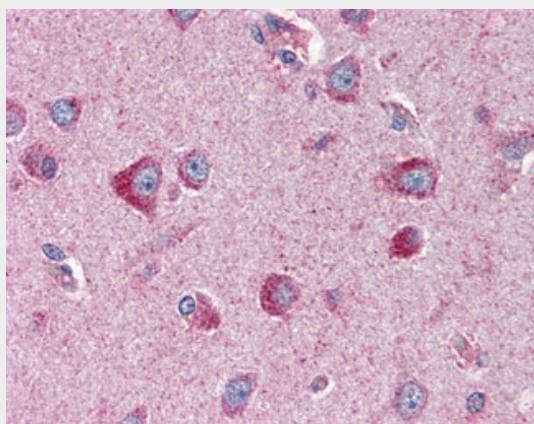
SLC22A17 Antibody (Internal) - Protocols

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) - Images

Anti-SLC22A17 antibody IHC of human brain, cerebellum.



Anti-SLC22A17 antibody IHC of human brain, cortex.

SLC22A17 Antibody (Internal) - Background

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).

SLC22A17 Antibody (Internal) - 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).
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Devireddy L.R.,et al.Cell 123:1293-1305(2005).