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SLC22A17 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12619

Specification

SLC22A17 Antibody (Internal) - Product Information

Application	**IHC-P, E**
Primary Accession	Q8WUG5
Reactivity	**Human, Mouse, Rat, Hamster, Monkey, Pig, Horse, Bovine, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**58kDa KDa**
Dilution	**IHC-P~~N/A** **E~~N/A**

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, NgalR, 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.

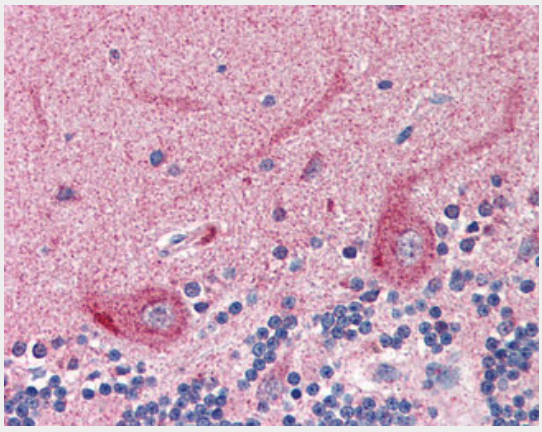
Volume
50 µl

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 Cytomety
- Cell Culture

SLC22A17 Antibody (Internal) - Images



Anti-SLC22A17 antibody IHC of human brain, cerebellum.

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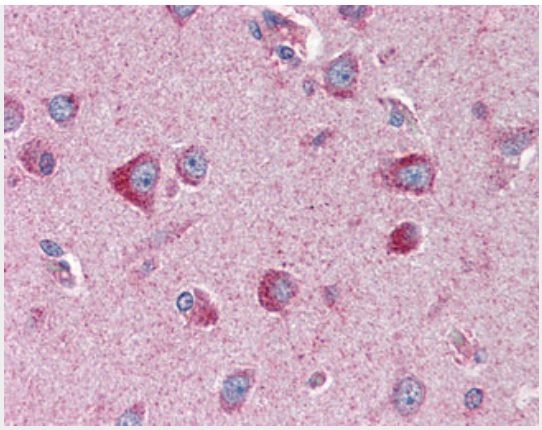

Anti-SLC22A17 antibody IHC of human brain, cortex.

SLC22A17 Antibody (Internal) - Background

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SLC22A17 Antibody (Internal) - References

Fang W.K.,et al.Biochem. J. 403:297-303(2007).
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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).