

**BOCT Polyclonal Antibody**  
**Catalog # AP73245****Specification**

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**BOCT Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8WUG5</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**BOCT Polyclonal Antibody - Additional Information****Gene ID** 51310**Other Names**

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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/5000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**BOCT Polyclonal Antibody - 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

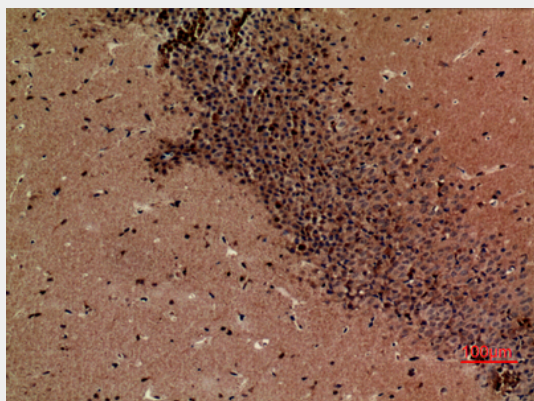
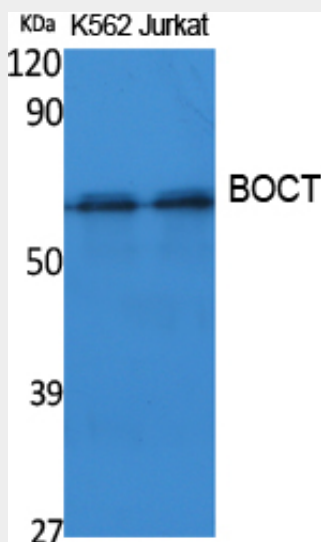
**Tissue Location**  
Expressed in brain.

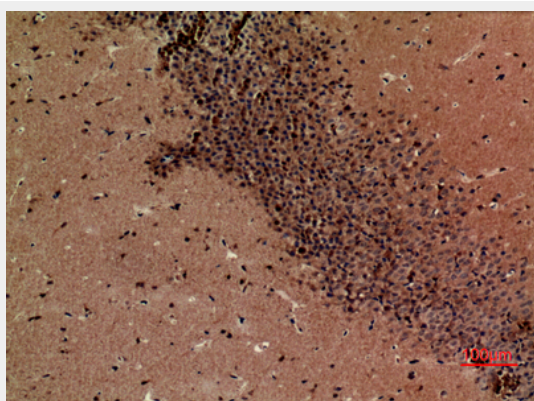
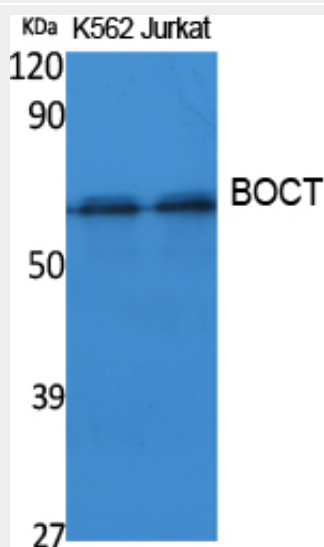
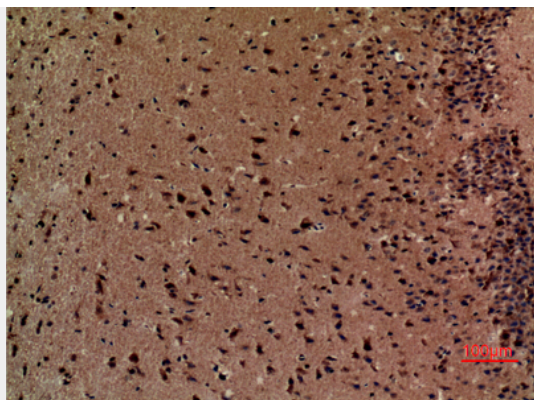
### BOCT Polyclonal Antibody - Protocols

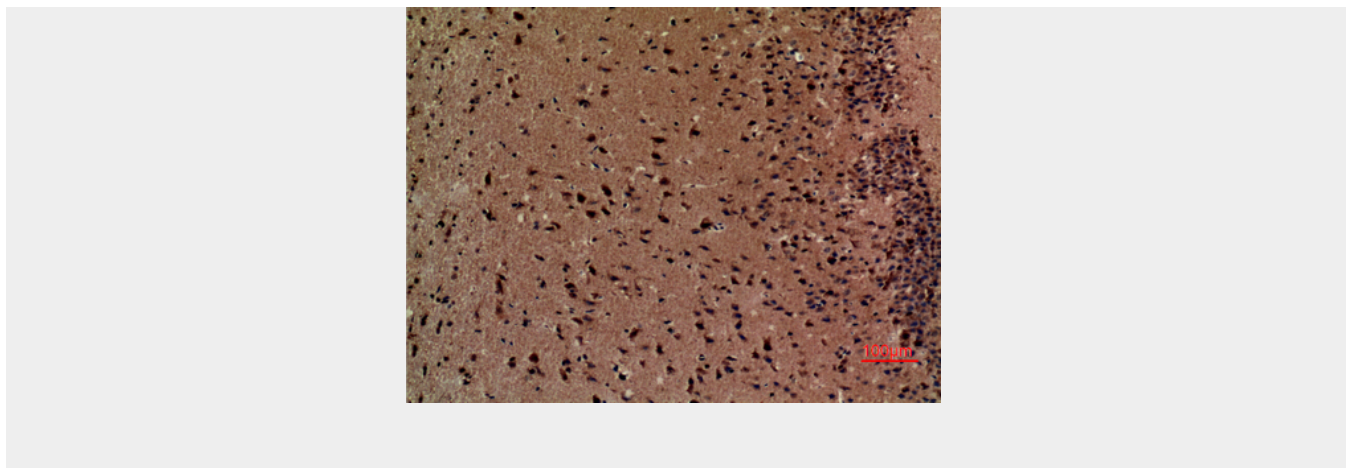
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### BOCT Polyclonal Antibody - Images





**BOCT Polyclonal Antibody - 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).