

Datasheet for ABIN668691

anti-SLC22A17 antibody (AA 475-538)

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Overview

Quantity:	100 µL
Target:	SLC22A17
Binding Specificity:	AA 475-538
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC22A17 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLC22A17
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	SLC22A17
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Target Details

Alternative Name: [Slc22A17 \(SLC22A17 Products\)](#)

Background: Synonyms: BOCT, BOIT, 24p3R, NGALR, hBOIT, NGALR2, NGALR3, Solute carrier family 22 member 17, 24p3 receptor, Brain-type organic cation transporter, Lipocalin-2 receptor, Neutrophil gelatinase-associated lipocalin receptor, SLC22A17

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).

Gene ID: 51310

UniProt: [Q8WUG5](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

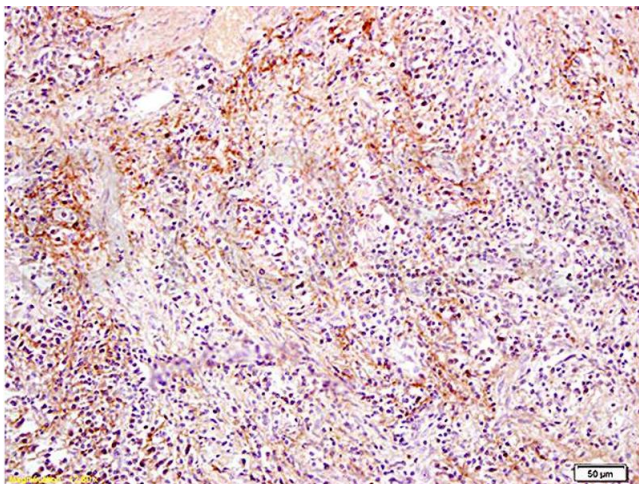
Expiry Date: 12 months

Publications

Product cited in: Wu, Du, Lok, Lo, Xing: "Lipocalin-2 enhances angiogenesis in rat brain endothelial cells via reactive oxygen species and iron-dependent mechanisms." in: **Journal of neurochemistry**, (2015) ([PubMed](#)).

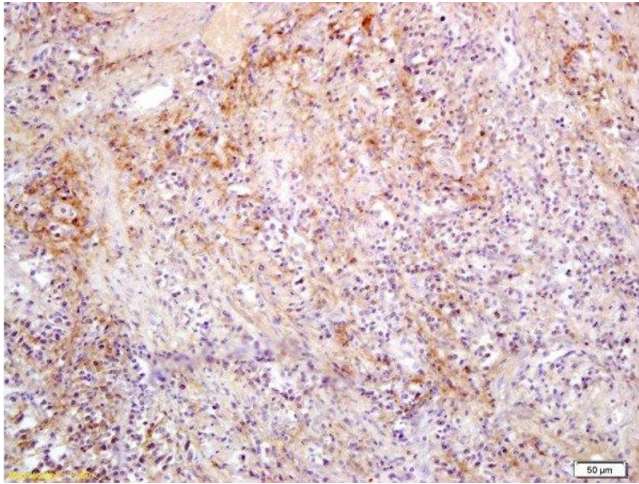
Cui, Xu, Shen, Tao, Gao, Lv, Du, Fang, Li: "NGALR is overexpressed and regulated by hypomethylation in esophageal squamous cell carcinoma." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 14, Issue 23, pp. 7674-81, (2009) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat colon carcinoma labeled with Anti-Slc22A17 Y Polyclonal Antibody, Unconjugated (ABIN668691) at 1:300, followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded rat colon carcinoma labeled with Anti-Slc22A17 Y Polyclonal Antibody, Unconjugated at 1:300, followed by conjugation to the secondary antibody and DAB staining