

Datasheet for ABIN7170140
anti-SLC22A17 antibody (AA 1-99)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	SLC22A17
Binding Specificity:	AA 1-99
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC22A17 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Solute carrier family 22 member 17 protein (1-99AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SLC22A17
Alternative Name:	SLC22A17 (SLC22A17 Products)
Background:	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-

Target Details

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.

Aliases: 24p3 receptor antibody, 24p3R antibody, BOCT antibody, BOIT antibody, Brain type organic cation transporter antibody, Brain-type organic cation transporter antibody, hBOIT antibody, Lipocalin-2 receptor antibody, Neutrophil gelatinase associated lipocalin receptor antibody, Neutrophil gelatinase-associated lipocalin receptor antibody, NGAL receptor antibody, NgalR antibody, NGALR2 antibody, NGALR3 antibody, OTTHUMP00000082690 antibody, OTTHUMP00000082691 antibody, Potent brain type organic ion transporter antibody, S22AH_HUMAN antibody, Slc22a17 antibody, Solute carrier family 22 member 17 antibody, Solute carrier family 22 organic cation transporter member 17 antibody

UniProt: [Q8WUG5](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:100-1:500, IF:1:50-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

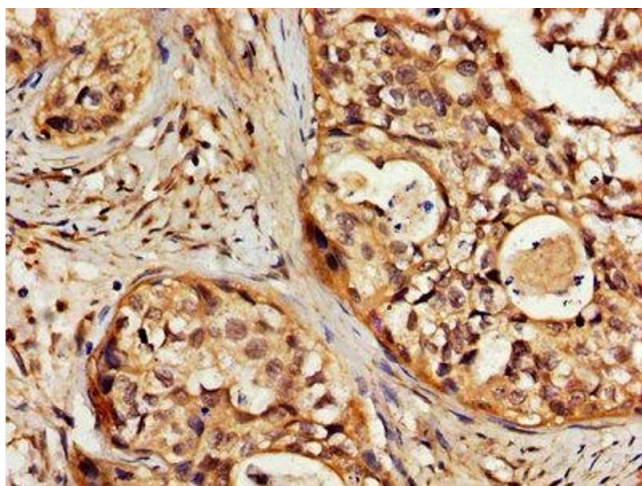
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

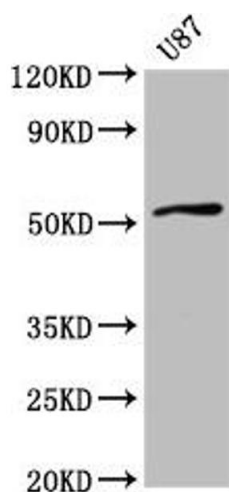
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



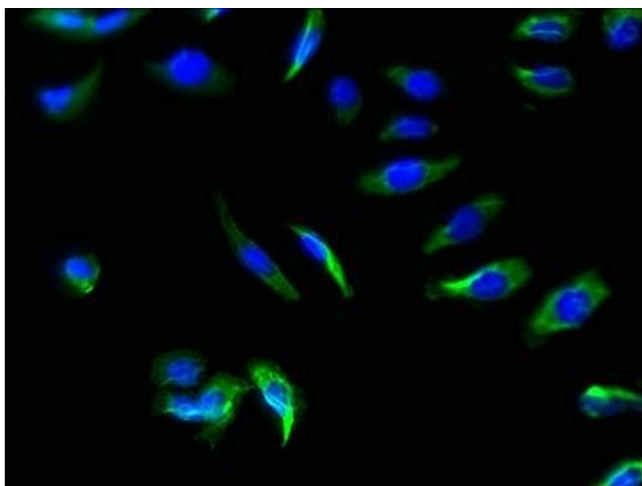
Immunohistochemistry

Image 1. IHC image of ABIN7170140 diluted at 1:200 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: U87 whole cell lysate All lanes: SLC22A17 antibody at 4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 58, 56, 22 kDa Observed band size: 58 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of A549 cells with ABIN7170140 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).