

PACO53150

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## Product Information

**Size:**

50ug

**Reactivity:**

Human, Mouse

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:500-1:5000,  
IHC:1:20-1:200

**Protein Background:**

Involved in the sodium-independent uptake of dibasic amino acid, and sodium-dependent uptake of some neutral amino acid, . Requires coexpression with SLC3A2/4F2hc to mediate the uptake of arginine, leucine and glutamine. Also acts as an arginine/glutamine exchanger, following an antiport mechanism for amino acid, transport, influencing arginine release in exchange for extracellular amino acid, . Plays a role in nitric oxide synthesis in human umbilical vein endothelial cells (HUVECs) via transport of L-arginine. Involved in the transport of L-arginine in monocytes. Reduces uptake of ornithine in retinal pigment epithelial (RPE) cells.

**Gene ID:**

SLC7A6

**Uniprot**

Q92536

**Synonyms:**

Y+L amino acid, transporter 2 (Cationic amino acid, transporter, y+ system) (Solute carrier family 7 member 6) (y(+)-L-type amino acid, transporter 2) (Y+LAT2) (y+LAT-2), SLC7A6, KIAA0245

**Immunogen:**

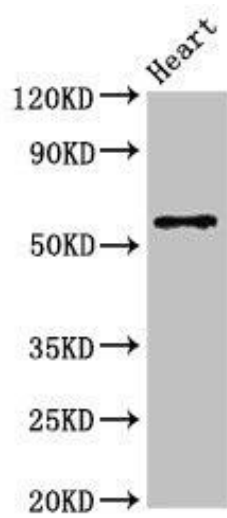
Recombinant Human Y+L amino acid, transporter 2 protein (473-515AA).

**Storage:**

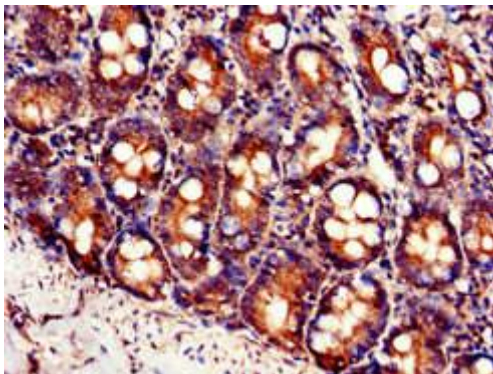
Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, pH 7.4

## Product Images

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Western Blot. Positive WB detected in: Mouse heart tissue. All lanes: SLC7A6 antibody at 3 $\mu$ g/ml. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 57 kDa. Observed band size: 57 kDa.



Immunohistochemistry of paraffin-embedded human small intestine tissue using PACO53150 at dilution of 1:100.