

SLC7A5 Polyclonal Antibody

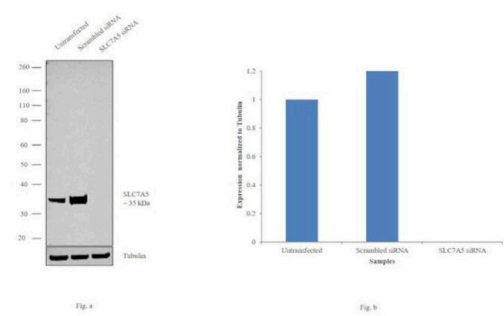
Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to a region derived from internal residues of human Solute carrier family 7 member 5
Form	Liquid
Concentration	0.4 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 40% glycerol
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2635938

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:500	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication

Product Specific Information

The antibody detects endogenous levels of total CD98 / SLC3A2 protein.

Product Images For SLC7A5 Polyclonal Antibody

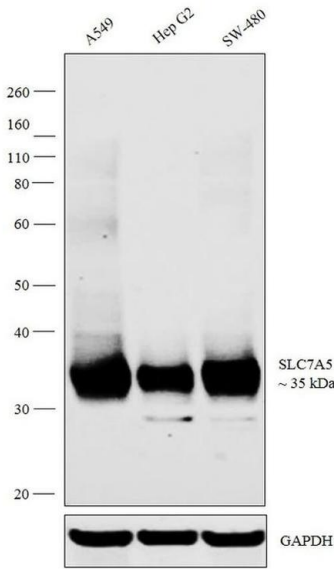


SLC7A5 Antibody (PA5-50485)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A549 cells were transfected with SLC7A5 siRNA and reduction of signal was observed in Western Blot using SLC7A5 Polyclonal Antibody (Product # PA5-50485). {KD}

SLC7A5 Antibody (PA5-50485) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of A549 (Lane 1), Hep G2 (Lane 2) and SW-480 (Lane 3). The blot was probed with Anti-SLC7A5 Polyclonal Antibody (Product # PA5-50485, 1:500 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A 35 kDa band corresponding to SLC7A5 was observed across cell lines tested.



SLC7A5 Antibody (PA5-50485) in WB

Knockdown of SLC7A5 was achieved by transfecting A549 cells with SLC7A5 specific siRNAs (Silencer® select Product # s15655, s15653). Western blot analysis (Fig. a) was performed using membrane enriched extracts from the SLC7A5 knockdown cells (lane 3), non-specific scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blot was probed with SLC7A5 Polyclonal Antibody (Product # PA5-50485, 1:500 dilution) and Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to SLC7A5.

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Western Blot (1)

Scientific reports	Year 2019
A novel therapeutic approach for anaplastic thyroid cancer through inhibition of LAT1.	Species Human
"PA5-50485 was used in Western Blotting to show L-neutral amino acid transporter 1 inhibition may act as a novel therapeutic approach for anaplastic thyroid cancer."	
Authors: Enomoto K,Sato F,Tamagawa S,Gunduz M,Onoda N,Uchino S,Muragaki Y,Hotomi M	

Immunocytochemistry (1)

Scientific reports	Year 2019
A novel therapeutic approach for anaplastic thyroid cancer through inhibition of LAT1.	Species Human
"PA5-50485 was used in Western Blotting to show L-neutral amino acid transporter 1 inhibition may act as a novel therapeutic approach for anaplastic thyroid cancer."	
Authors: Enomoto K,Sato F,Tamagawa S,Gunduz M,Onoda N,Uchino S,Muragaki Y,Hotomi M	

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