

LATS1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human LATS1. The exact sequence is proprietary.
Form	Liquid
Concentration	0.67 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2736084

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-

Product Specific Information

Positive Control: 293T, A431, HeLa, HepG2, U87-MG, SK-N-SH, IMR32, SK-N-AS

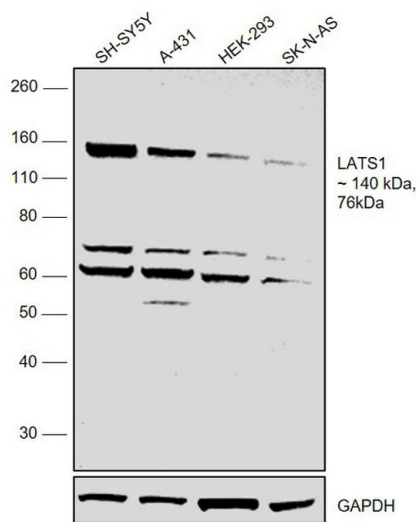
Predicted Reactivity: Mouse (90%), Rat (92%), Dog (90%), Sheep (90%), Bovine (90%)

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For LATS1 Polyclonal Antibody

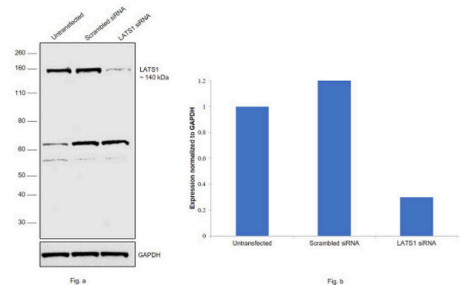
LATS1 Antibody (PA5-78278) in WB

Western blot was performed using Anti-LATS1 Polyclonal Antibody (Product # PA5-78278) and 140 kDa, 76 kDa bands corresponding to LATS1 was observed across cell lines tested. An uncharacterized band at ~60kDa was also observed. Whole cell extracts (30ug) of SH-SY5Y (Lane 1), A-431 (Lane 2), HEK-293 (Lane 3) and SK-N-AS (Lane 4) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # LC2001) by XCell SureLock™ Mini-Cell and XCell II™ Blot Module (Product # EI0002). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat Anti-Rabbit IgG Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



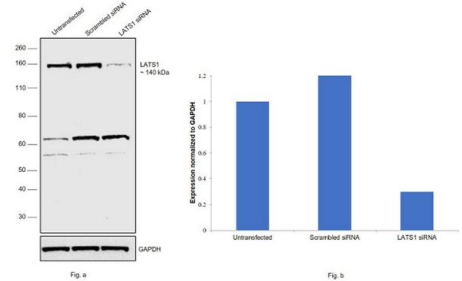
LATS1 Antibody (PA5-78278)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with LATS1 siRNA and reduction of signal was observed in Western Blot using LATS1 Polyclonal Antibody (Product # PA5-78278). {KD}



LATS1 Antibody (PA5-78278) in WB

Knockdown of CUX1 was achieved by transfecting A-431 cells with LATS1 specific siRNAs (Silencer® select Product # s17393, s17392). Western blot analysis (Fig. a) was performed using whole cell extracts from the LATS1 knockdown cells (Lane 3), non-specific scrambled siRNA transfected cells (Lane 2) and untransfected cells (Lane 1). The blot was probed using LATS1 Polyclonal Antibody (Product # PA5-78278, 1:1000 dilution) and Goat Anti-Rabbit IgG Secondary Antibody, HRP conjugate (Product # A27036, 1:4000 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 LATS1.



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