

ALDH1A1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 192 and 501 of Human ALDH1A1
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 1% BSA, 20% glycerol
Contains	0.01% thimerosal
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2549600

Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	5 µg/mL	
Immunofluorescence (IF)	✓	5 µg/mL	
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:100-1:1000	
Western Blot (WB)	✓	1:1000-1:10000	

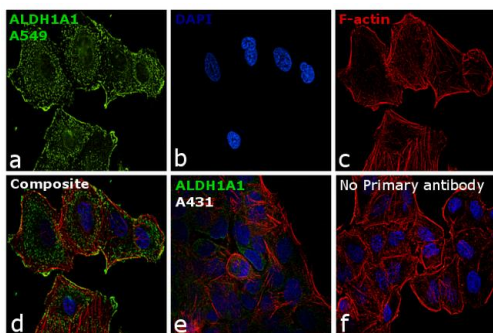
Product Specific Information

PA5-32127 targets ALDH1A1 in IF, IHC (P), and WB applications and shows reactivity with Human samples.

The PA5-32127 immunogen is recombinant protein fragment corresponding to a region within amino acids 192 and 501 of Human ALDH1A1.

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial. For short-term storage (1-2 weeks), product can be stored at 4°C. For long-term storage, aliquot and store product at -20° C or below, avoiding multiple freeze-thaw cycles.

Advanced Verification Data

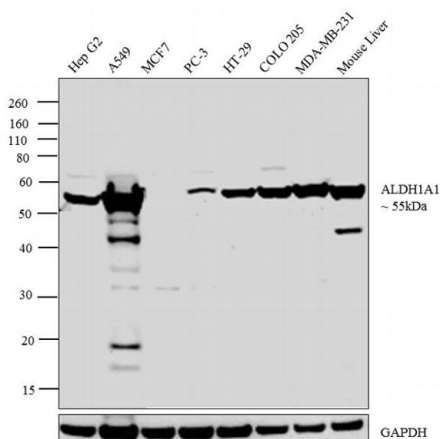


ALDH1A1 Antibody (PA5-32127)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using ALDH1A1 Polyclonal antibody (Product # PA5-32127) showed increased expression of ALDH1A1 in A-549 when compared to A-431. Relative expression validation info.

ALDH1A1 Antibody (PA5-32127)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Expression of ALDH1A1 Polyclonal Antibody was not observed specifically in MCF7 using Anti-ALDH1A1 Polyclonal Antibody (Product # PA5-32127) in Western Blot. Relative expression validation info.



Product Images For ALDH1A1 Polyclonal Antibody

ALDH1A1 Antibody (PA5-32127) in IF

Immunofluorescence analysis of ALDH1A1 was performed using 70% confluent log phase A549 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with ALDH1A1 Polyclonal Antibody (Product # PA5-32127) at 5µg/ml in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing cytoplasmic localization. Panel e represents A-431 cells having lower expression of ALDH1A1. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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