

Nur für Forschungszwecke

# ALDH3A1 Polyklonaler Antikörper

Katalog-Nr.:15578-1-AP

Vorgestelltes Produkt

17 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 15578-1-AP	<b>GenBank-Zugangsnummer:</b> BC004370	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 650 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 218	<b>Empfohlene Verdünnungen:</b> WB 1:20000-1:100000 IP 0.5-4.0 ug für IP und 1:1000-1:6000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> aldehyde dehydrogenase 3 family, memberA1	<b>IF 1:50-1:500</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 50 kDa	
<b>Immunogen Katalognummer:</b> AG7977	<b>Beobachtete Masse:</b> 48 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IP, WB, ELISA	<b>Positivkontrollen:</b>
<b>In Publikationen genannte Anwendungen:</b> FC, IF, IHC, WB	<b>WB :</b> A549-Zellen,
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IP :</b> A549-Zellen,
<b>Zitierte Arten:</b> Human, Maus, Ratte	<b>IF :</b> HEK-293T-Zellen,

## Hintergrundinformationen

ALDH3A1(Aldehyde dehydrogenase, dimeric NADP-prefering), also named as ALDH3, is a member of the ALDH superfamily, which consists of NAD(P)+-dependent enzymes that catalyse the oxidation of a wide variety of endogenously produced and exogenous aldehydes to their corresponding acids. It is expressed at high concentrations in the mammalian cornea and it is believed that it protects this vital tissue and the rest of the eye against UVlight-induced damage.(PMID:12943535). It can exist as a dimer(PMID:16919242).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jing Ma	25190659	Invest Ophthalmol Vis Sci	WB, IHC
Beau J Fenner	31632999	Eye Vis (Lond)	FC
Yu-Show Fu	35625862	Biomedicines	IHC

## Lagerung

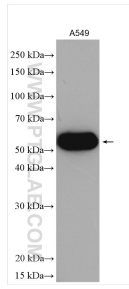
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

\*\*\* 20ul-Größen enthalten 0.1% BSA

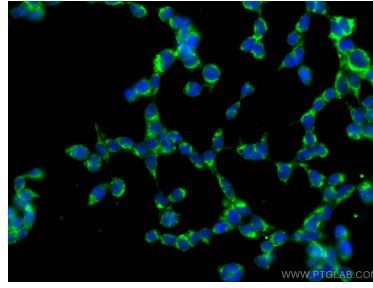
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

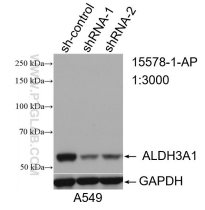
## Ausgewählte Validierungsdaten



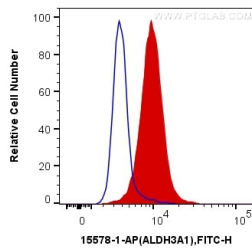
A549 cells were subjected to SDS PAGE followed by western blot with 15578-1-AP (ALDH3A1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



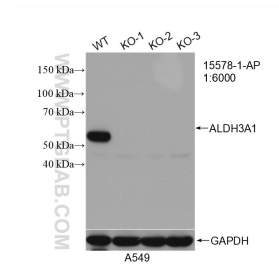
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293T cells using ALDH3A1 antibody (15578-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



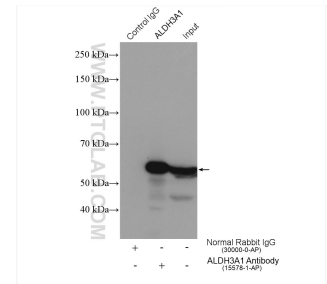
WB result of ALDH3A1 antibody (15578-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALDH3A1 transfected A549 cells.



1X10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.25 ug Anti-Human ALDH3A1 (15578-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.25 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



WB result of ALDH3A1 antibody (15578-1-AP; 1:6000; room temperature for 1.5 hours) with wild-type and ALDH3A1 knockout A549 cells.



IP result of anti-ALDH3A1 (IP:15578-1-AP, 4ug; Detection:15578-1-AP 1:3000) with A549 cells lysate 1480 ug.