



[Go to Product page](#)

Datasheet for ABIN1881685

anti-PRODH antibody (AA 130-155)

7 Images

1 Publication

Overview

Quantity:	400 µL
Target:	PRODH
Binding Specificity:	AA 130-155
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRODH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This PRODH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-155 amino acids from the Central region of human PRODH.
Clone:	RB21343
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PRODH
Alternative Name:	PRODH (PRODH Products)

Target Details

Background:	PRODH is a mitochondrial proline dehydrogenase that catalyzes the first step in proline degradation. It converts proline to delta-1-pyrroline-5-carboxylate.
Molecular Weight:	68036
NCBI Accession:	NP_035302
UniProt:	Q9WU79
Pathways:	Response to Water Deprivation , Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:2000. WB: 1:2000. IHC-P: 1:25. IHC-P: 1:50~100. FC: 1:25
Restrictions:	For Research Use only

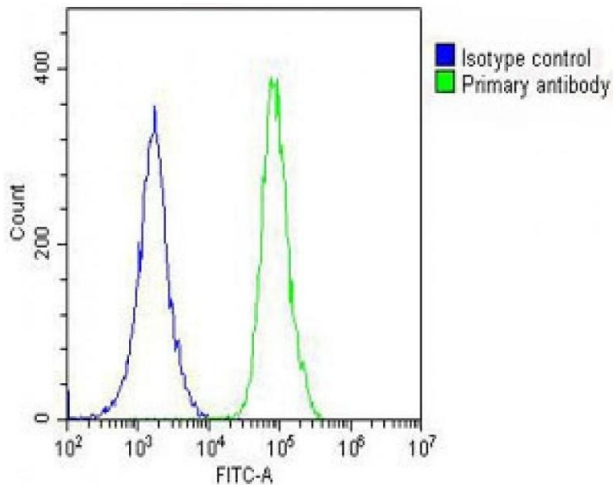
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

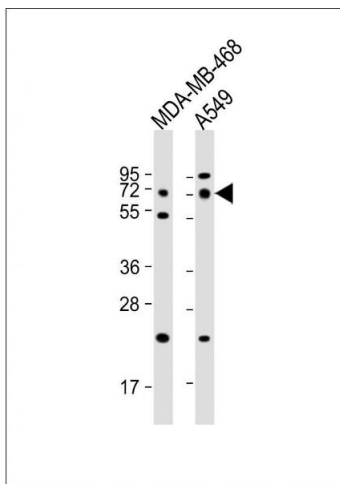
Product cited in:	<p>Wendeler, Pabst, Wang, Strouse, Wang, Hunter: "Process-scale purification and analytical characterization of highly gamma-carboxylated recombinant human prothrombin." in: Journal of chromatography. A, Vol. 1325, pp. 171-8, (2014) (PubMed).</p> <p>Yang, Ko, Yang, Kim, Seo, Park, Choi, Seong, Kweon: "Interleukin-1 promotes coagulation, which is necessary for protective immunity in the lung against Streptococcus pneumoniae infection." in: The Journal of infectious diseases, Vol. 207, Issue 1, pp. 50-60, (2012) (PubMed).</p> <p>Lim, Joy, Hill, San Brian Chia: "Novel agmatine and agmatine-like peptidomimetic inhibitors of the West Nile virus NS2B/NS3 serine protease." in: European journal of medicinal chemistry,</p>
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Images



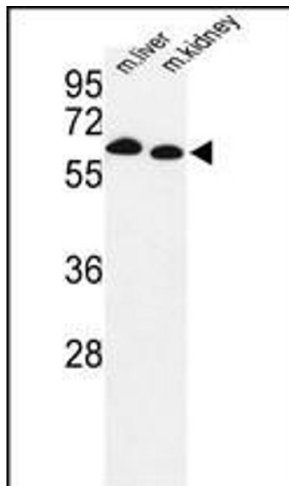
Flow Cytometry

Image 1. Overlay histogram showing A549 cells stained with (ABIN1881685 and ABIN2842377) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN1881685 and ABIN2842377), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



Western Blotting

Image 2. All lanes : Anti-PRODH Antibody (Center) at 1:1000 dilution Lane 1: MDA-MB-468 whole cell lysates Lane 2: A549 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.



Western Blotting

Image 3. Western blot analysis of mouse Prodh Antibody (Center) (ABIN1881685 and ABIN2842377) in mouse liver, kidney tissue lysates (35 µg/lane). PRODH (arrow) was detected using the purified Pab.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN1881685.