For Research Use Only

ALDH1A1 Polyclonal antibody Catalog Number: 15910-1-AP Featured Product 138 Pu

Featured Product 138 Publications



Basic Information	Catalog Number: 15910-1-AP	GenBank Access BC001505	ion Number:	Purification Method: Antigen affinity purification
	Concentration:	GeneID (NCBI):		Recommended Dilutions:
	450 ug/ml	216		WB 1:5000-1:50000
	Source:	UNIPROT ID:		IHC 1:50-1:500 IF-P 1:50-1:500
	Rabbit	P00352		IF/ICC 1:200-1:800
	Isotype: IgG	Full Name: aldehyde dehydi	rogenase 1 family,	
	Immunogen Catalog Number:	member A1		
	AG8665	Calculated MW: 501 aa, 55 kDa		
		Observed MW: 50-55 kDa		
Applications	Tested Applications:			
	WB, IHC, IF/ICC, IF-P, FC (Intra), E	ELISA	WB : K-562 cells, mouse liver tissue, rat liver tissue, mouse brain tissue, mouse kidney tissue	
	Cited Applications: WB, IHC, IF, CoIP, ELISA			
	Species Specificity:		IHC : mouse testis tissue, human liver tissue IF-P : mouse colon tissue, mouse testis tissue	
	numan, mouse, rat		IF/ICC : A549 cells,	
			, cetts,	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			
	retrieval may be performed			
Background Informatio	 retrieval may be performed buffer pH 6.0 ALDH1A1(Aldehyde dehydrogenas aldehyde dehydrogenase family. dehydrogenase, an enzyme invol ALDH1A1 plays a critical role in p cells(PMID:19296407). And it is in differentiation, and oxidative stre used for tumors whose correspond 	d with citrate ase family 1 member . The ALDH1A1 gene e ved in the major path portection against oxio mportant for multiple ess response(PMID:19 ding normal tissues ex cer(PMID: 20422001).	ncodes a liver cytos way of alcohol meta dative stress-induce biological activities 025616). As a novel (press ALDH1 in rela	abolism after alcohol dehydrogenase. d cytotoxicity in lens epithelial
	 retrieval may be performed buffer pH 6.0 ALDH1A1(Aldehyde dehydrogenas aldehyde dehydrogenase family. dehydrogenase, an enzyme invol ALDH1A1 plays a critical role in p cells(PMID:19296407). And it is in differentiation, and oxidative stre used for tumors whose correspond breast, lung, ovarian or colon came 	d with citrate	ncodes a liver cytos way of alcohol meta dative stress-induce biological activities 025616). As a novel (press ALDH1 in rela	olic isoform of acetaldehyde abolism after alcohol dehydrogenase. d cytotoxicity in lens epithelial s including drug resistance, cell cancer stem cell marker, ALDH1A1 can tively restricted or limited levels such lso recognize some other membranes o
	 Retrieval may be performed buffer pH 6.0 ALDH1A1(Aldehyde dehydrogenas aldehyde dehydrogenase family. dehydrogenase, an enzyme invol ALDH1A1 plays a critical role in p cells(PMID:19296407). And it is in differentiation, and oxidative stre used for tumors whose correspond breast, lung, ovarian or colon can the aldehyde dehydrogenase fam 	d with citrate ase family 1 member . The ALDH1A1 gene e wed in the major path protection against oxic mportant for multiple ess response(PMID:190 ding normal tissues ep cer(PMID: 20422001). nily.	ncodes a liver cytos way of alcohol meta dative stress-induce biological activities 025616). As a novel cpress ALDH1 in rela This antibody can al	olic isoform of acetaldehyde abolism after alcohol dehydrogenase. d cytotoxicity in lens epithelial s including drug resistance, cell cancer stem cell marker, ALDH1A1 can tively restricted or limited levels such
	 retrieval may be performed buffer pH 6.0 ALDH1A1(Aldehyde dehydrogenaa aldehyde dehydrogenase family. dehydrogenase, an enzyme invol ALDH1A1 plays a critical role in p cells(PMID:19296407). And it is ir differentiation, and oxidative streused for tumors whose correspond breast, lung, ovarian or colon can the aldehyde dehydrogenase fam Author 	d with citrate ase family 1 member . The ALDH1A1 gene e .ved in the major path protection against oxid mportant for multiple ess response(PMID: 190 ding normal tissues ep cer(PMID: 20422001). nily. Pubmed ID 30273566	ncodes a liver cytos way of alcohol meta dative stress-induce biological activities 025616). As a novel «press ALDH1 in rela This antibody can al	olic isoform of acetaldehyde abolism after alcohol dehydrogenase. d cytotoxicity in lens epithelial i including drug resistance, cell cancer stem cell marker, ALDH1A1 can tively restricted or limited levels such lso recognize some other membranes o Application
Background Informatio	 Retrieval may be performed buffer pH 6.0 ALDH1A1(Aldehyde dehydrogenaa aldehyde dehydrogenase family. dehydrogenase, an enzyme invol ALDH1A1 plays a critical role in p cells(PMID:19296407). And it is in differentiation, and oxidative streused for tumors whose correspond breast, lung, ovarian or colon cann the aldehyde dehydrogenase fam Author Lei Liu 	d with citrate ase family 1 member A . The ALDH1A1 gene e lved in the major path protection against oxio mportant for multiple ess response(PMID:19 ding normal tissues ex cer(PMID: 20422001). nily. Pubmed ID 30273566	ncodes a liver cytos way of alcohol meta dative stress-induce biological activities 025616). As a novel «press ALDH1 in rela This antibody can al Dournal Chem Biol Interact	olic isoform of acetaldehyde abolism after alcohol dehydrogenase. d cytotoxicity in lens epithelial s including drug resistance, cell cancer stem cell marker, ALDH1A1 can tively restricted or limited levels such lso recognize some other membranes of Application WB

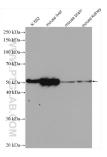
T: 4006900926

E: Proteintech-CN@ptglab.com

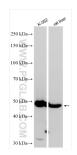
W: ptgcn.com

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

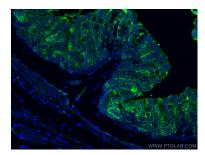
Selected Validation Data



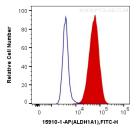
Various lysates were subjected to SDS PAGE followed by western blot with 15910-1-AP (ALDH1A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



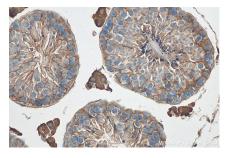
Various lysates were subjected to SDS PAGE followed by western blot with 15910-1-AP (ALDH1A1 antibody) at dilution of 1:25000 incubated at room temperature for 1.5 hours.



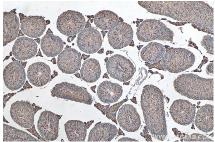
Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using 15910-1-AP (ALDH1A1 antibody), at dilution of 1:100 and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



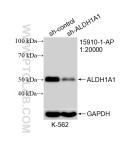
1X10^6 HepG2 cells were intracellularly stained with 0.2 ug Anti-Human ALDH1A1 (15910-1-AP) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



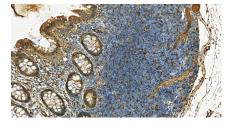
Immunohistochemical analysis of paraffinembedded mouse testis tissue slide using 15910-1-AP (ALDH1A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



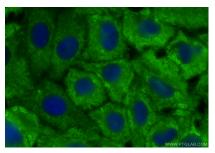
Immunohistochemical analysis of paraffinembedded mouse testis tissue slide using 15910-1-AP (ALDH1A1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of ALDH1A1 antibody (15910-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALDH1A1 transfected K-562 cells.



Immunohistochemical analysis of paraffinembedded human normal colon slide using 15910-1-AP (ALDH1A1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using ALDH1A1 antibody (15910-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).