For Research Use Only

## ALDH4A1 Polyclonal antibody

Catalog Number:11604-1-AP

Featured Product 5 Publications

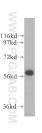
Antibodies | ELISA kits | Proteins www.ptglab.com

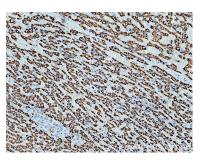
Basic Information	Catalog Number: 11604-1-AP	GenBank Accession BC023600	Number:	Purification Method: Antigen affinity purification				
	Size:	GeneID (NCBI): 8659 UNIPROT ID: P30038		Recommended Dilutions: WB 1:500-1:2400 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500				
	150ul , Concentration: 500 ug/ml by Nanodrop and 307 ug/ml by Bradford							
	method using BSA as the standard;							
	Source:	Full Name: aldehyde dehydrogenase 4 family, member A1 Calculated MW: 563 aa, 62 kDa						
	Rabbit Isotype: IgG Immunogen Catalog Number: AG2147							
					Observed MW: 62 kDa			
					Applications	Tested Applications:		Positive Cont
		WB, IP, IHC, ELISA Cited Applications:				eart tissue, HepG2 cells, human brain I liver tissue, human skeletal muscle cells, mouse skeletal muscle tissue,		
WB, IHC								
Species Specificity:	echicity.		ll intestine tissue, rat heart tissue					
human, mouse, rat Cited Species:			eletal muscle tissue,					
			iver cancer tissue, human liver tissu te cancer tissue					
Note-IHC: suggested antigen retrieval with <b>TE buffer pH 9.0; (*)</b> Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0								
	buffer pH 6.0							
Background Information	<b>buffer pH 6.0</b> ALDH4A1(Aldehyde dehydrogenase f belongs to the aldehyde dehydrogena dehydrogenase which catalyzes the s carboxylate to glutamate.Defects in A	ase family. P5CDH is econd step of the pro	a mitochondrial line degradation	matrix NAD(+)-dependent pathway, converting pyrroline-5-				
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	ALDH4A1(Aldehyde dehydrogenase f belongs to the aldehyde dehydrogena dehydrogenase which catalyzes the s carboxylate to glutamate.Defects in A Author Put Chaoqun Liu 344 Bobby Jones 334	ase family. P5CDH is econd step of the pro ALDH4A1 are the cause omed ID Jou 551797 J Ex 446840 Sci	a mitochondrial i line degradation se of hyperproline rnal xp Clin Cancer Re	matrix NAD(+)-dependent pathway, converting pyrroline-5- emia type 2 (HP-2). Application s WB,IHC				

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

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

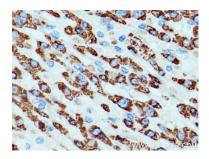
## Selected Validation Data



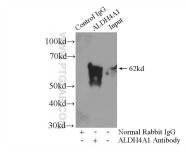


human heart tissue were subjected to SDS PAGE followed by western blot with 11604-1-AP (ALDH4A1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 11604-1-AP (ALDH4A1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 11604-1-AP (ALDH4A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ALDH4A1 (IP:11604-1-AP, 4ug; Detection:11604-1-AP 1:800) with mouse skeletal muscle tissue lysate 3600ug.