

For Research Use Only

ADH1B Polyclonal antibody

Catalog Number: 17165-1-AP **8 Publications**



Basic Information

Catalog Number: 17165-1-AP	GenBank Accession Number: BC033009	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 750 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 125	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: P00325	
Isotype: IgG	Full Name: alcohol dehydrogenase 1B (class I), beta polypeptide	
Immunogen Catalog Number: AG10630	Calculated MW: 375 aa, 40 kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls: WB: mouse liver tissue, IP: mouse liver tissue,
Cited Applications: WB, IHC, IF	
Species Specificity: mouse, rat	
Cited Species: mouse, rat	

Background Information

The ADH1B gene encodes the beta subunit of class I alcohol dehydrogenase (ADH), an enzyme that catalyzes the rate-limiting step for ethanol metabolism: the oxidation of alcohol to acetaldehyde. Class I ADH is a homo- or heterodimeric molecule, formed by the association of 3 types of class I ADH subunits, alpha (ADH1A), beta, and gamma (ADH1C). ADH1B is also named as ADH2 and belongs to the zinc-containing alcohol dehydrogenase family. This protein can exist as a homodimer (PMID:19365573).

Notable Publications

Author	Pubmed ID	Journal	Application
Tomoko Kawai	27022678	Endocrinology	IF
Jie Yang	35351461	Exp Eye Res	IHC
Wenjun Zhao	35655427	J Sci Food Agric	WB

Storage

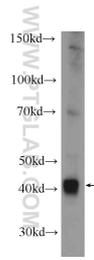
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

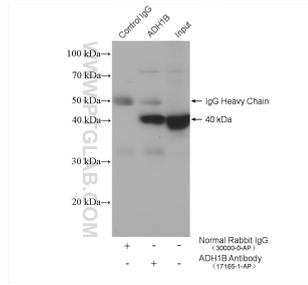
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 17165-1-AP (ADH1B Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-ADH1B (IP:17165-1-AP, 4ug; Detection:17165-1-AP 1:500) with mouse liver tissue lysate 4000 ug.