

For Research Use Only

ADH7 Polyclonal antibody

Catalog Number: 23425-1-AP

1 Publications



Basic Information

Catalog Number:

23425-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 493 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19340

GenBank Accession Number:

BC131512

GeneID (NCBI):

131

UNIPROT ID:

P40394

Full Name:

alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide

Calculated MW:

386 aa, 41 kDa

Observed MW:

45-47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : HeLa cells, A549 cells, HEK-293 cells

IHC : human liver tissue,

IF/ICC : HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ADH7(Alcohol dehydrogenase class 4 mu/sigma chain) is also named as gastric alcohol dehydrogenase, retinol dehydrogenase and belongs to the zinc-containing alcohol dehydrogenase family. The ubiquitous expression pattern of ADH7 during embryogenesis has led to the notion that the enzymatic conversion of retinol to retinal occurs more or less uniformly and plays no role in the spatial or temporal regulation of RA synthesis during embryonic development(PMID:17473173). It has 2 isoforms produced by alternative splicing and can exist as a homodimer(PMID:18479436).

Notable Publications

Author	Pubmed ID	Journal	Application
Guanqi Dai	37335109	Aging (Albany NY)	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

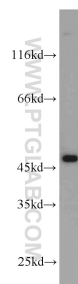
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

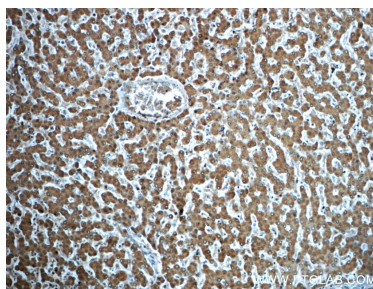
E: proteintech@ptglab.com
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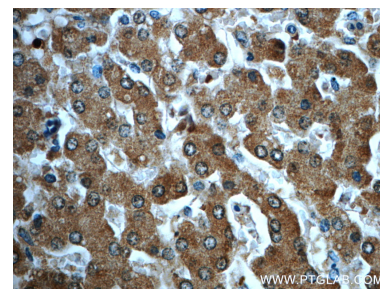
Selected Validation Data



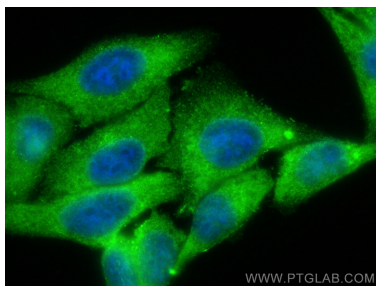
HeLa cells were subjected to SDS PAGE followed by western blot with 23425-1-AP (ADH7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver slide using 23425-1-AP (ADH7 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human liver slide using 23425-1-AP (ADH7 Antibody) at dilution of 1:50.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ADH7 antibody (23425-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).