

For Research Use Only

Sorbitol dehydrogenase Polyclonal antibody

Catalog Number: 15881-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

15881-1-AP

Size:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8651

GenBank Accession Number:

BC021085

GeneID (NCBI):

6652

UNIPROT ID:

Q00796

Full Name:

sorbitol dehydrogenase

Calculated MW:

357 aa, 38 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat

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

Positive Controls:

WB : HeLa cells, human kidney tissue, rat liver tissue, mouse liver tissue

IP : mouse liver tissue,

IHC : human ovary cancer tissue,

Background Information

SORD (Sorbitol dehydrogenase) is also named as L-iditol 2-dehydrogenase and belongs to the zinc-containing alcohol dehydrogenase family. It catalyzes the interconversion of polyols and their corresponding ketoses, and together with aldose reductase, makes up the sorbitol pathway that is believed to play an important role in the development of diabetic complications. This protein can form a homotetramer (PMID:12962626). Measurement of SORD is a specific indicator of liver cell damage and parenchymal.

Notable Publications

Author	Pubmed ID	Journal	Application
Yu Sun	29349500	J Mol Med (Berl)	WB
Jingbo Dai	26647419	Reproduction	WB, IF
Yiling Zhou	39704931	Sci China Life Sci	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

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

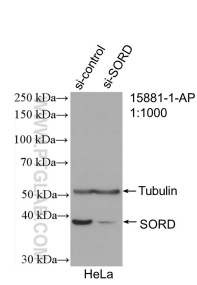
T: 4006900926

E: Proteintech-CN@ptglab.com

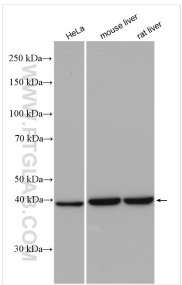
W: ptgcn.com

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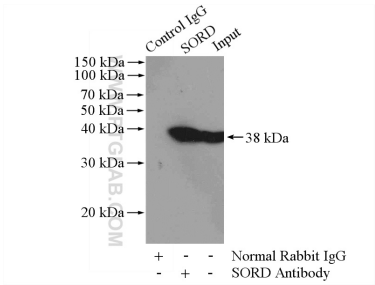
Selected Validation Data



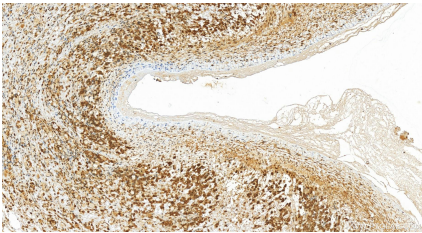
WB result of Sorbitol dehydrogenase antibody (15881-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Sorbitol dehydrogenase transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 15881-1-AP (Sorbitol dehydrogenase antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-Sorbitol dehydrogenase (IP:15881-1-AP, 4ug; Detection:15881-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 15881-1-AP (Sorbitol dehydrogenase antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).