

HSD3B7 Polyclonal antibody

Catalog Number: 10488-1-AP

Basic Information

Catalog Number:

10488-1-AP

Size:

250 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0755

GenBank Accession Number:

BC004929

GeneID (NCBI):

80270

UNIPROT ID:

Q9H2F3

Full Name:

hydroxy-delta-5-steroid
dehydrogenase, 3 beta- and steroid
delta-isomerase 7

Calculated MW:

41 kDa

Observed MW:

36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Species Specificity:

human, mouse

**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 : mouse liver tissue,

IP : mouse liver tissue,

IHC : human pancreas cancer tissue, human kidney
tissue, human liver tissue

Background Information

HSD3B7(3 beta-hydroxysteroid dehydrogenase type 7) is also named as 3-beta-HSD VII,C(27) 3-beta-HSD and belongs to the 3-beta-HSD family. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids and HSD VII is active against four 7-alpha-hydroxylated sterols. This enzyme is expressed predominantly in the liver(PMID:11067870). Defects in HSD3B7 are the cause of congenital bile acid synthesis defect type 1 (CBAS1). It has 2 isoforms produced by alternative splicing.

Storage

Storage:

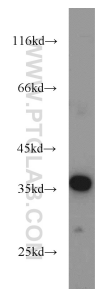
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

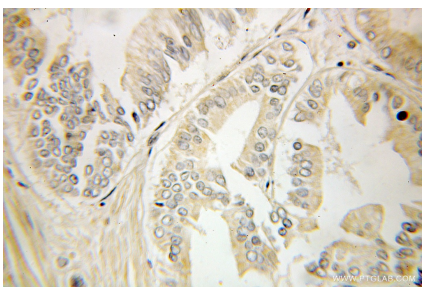
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

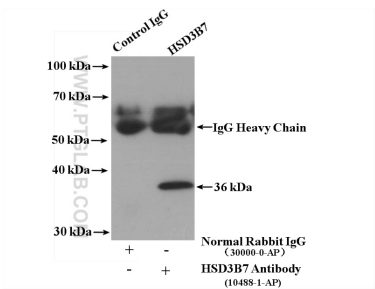
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 10488-1-AP (HSD3B7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 10488-1-AP (HSD3B7 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-HSD3B7 (IP:10488-1-AP, 4ug; Detection:10488-1-AP 1:300) with mouse liver tissue lysate 6000 ug.