

For Research Use Only

HSD3B7 Polyclonal antibody

Catalog Number: 10488-1-AP



Basic Information

Catalog Number: 10488-1-AP	GenBank Accession Number: BC004929	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 80270	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 41 kDa	
Immunogen Catalog Number: AG0755	Observed MW: 36 kDa	

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

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

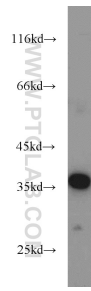
For technical support and original validation data for this product please contact:

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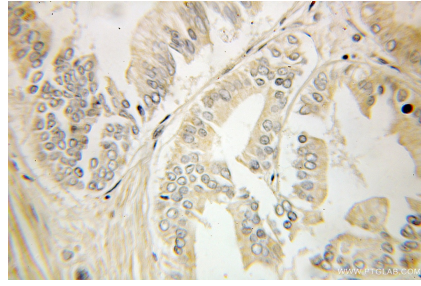
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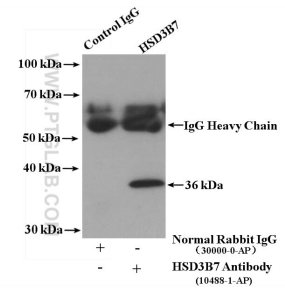
Selected Validation Data



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.