

## HSD17B2 Polyclonal antibody

Catalog Number: 10978-1-AP

Featured Product

33 Publications

## Basic Information

## Catalog Number:

10978-1-AP

## Size:

650 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG1411

## GenBank Accession Number:

BC009581

## GeneID (NCBI):

3294

## UNIPROT ID:

P37059

## Full Name:

hydroxysteroid (17-beta)  
dehydrogenase 2

## Calculated MW:

43 kDa

## Observed MW:

35-40 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human

## Cited Species:

human, 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 : HepG2 cells, MCF-7 cells, human placenta tissue

IHC : human ovary tumor tissue,

## Background Information

HSD17B2(Estradiol 17-beta-dehydrogenase 2) is also named as 17-beta-HSD, 2,20-alpha-HSD, EDH17B2 and belongs to the short-chain dehydrogenases/reductases (SDR) family. Based on the pivotal role of HSD17B2 gene product in the estrogen metabolism pathway, it may be considered as a putative candidate gene that could possibly explain a fraction of the remaining familial breast cancer risk and it is unlikely to play a role as a high penetrance gene in breast cancer predisposition (PMID:18372405).

## Notable Publications

Author	Pubmed ID	Journal	Application
Changjiang Liu	34544022	Ecotoxicol Environ Saf	WB
Takayoshi Inoue	21740958	Mol Cell Endocrinol	IHC
Lindsay J Collin	31671023	Acta Oncol	IHC

## 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

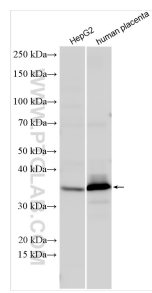
For technical support and original validation data for this product please contact:

T: 4006900926

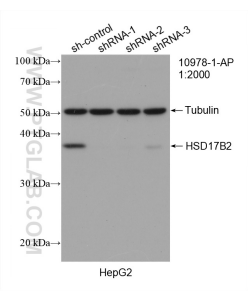
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

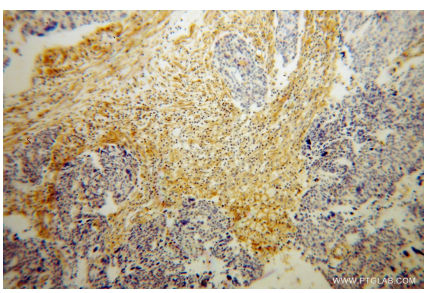
Selected Validation Data



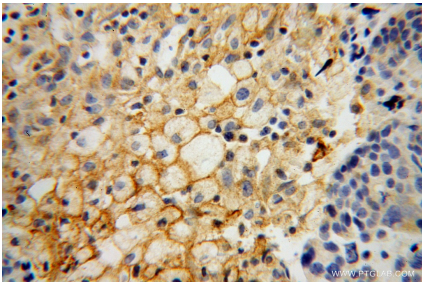
Various lysates were subjected to SDS PAGE followed by western blot with 10978-1-AP (HSD17B2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of HSD17B2 antibody (10978-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSD17B2 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10978-1-AP (HSD17B2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 10978-1-AP (HSD17B2 antibody) at dilution of 1:100 (under 40x lens).