

For Research Use Only

# HSD17B2 Polyclonal antibody

Catalog Number: 10978-1-AP

Featured Product

31 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, rat, mouse

**Positive Controls:**

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

**IHC:** human ovary tumor tissue,

**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

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:

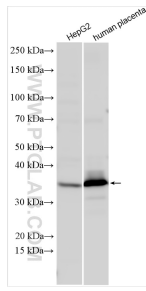
T: 4006900926

E: Proteintech-CN@ptglab.com

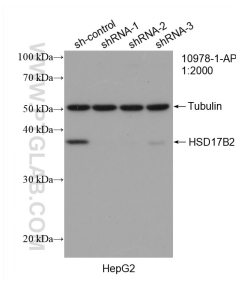
W: ptgcn.com

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

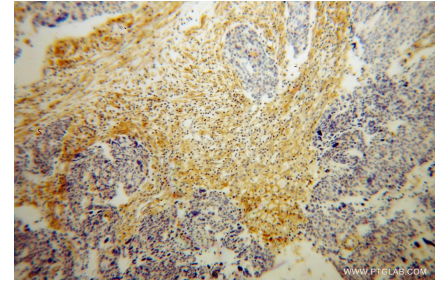
## Selected Validation Data



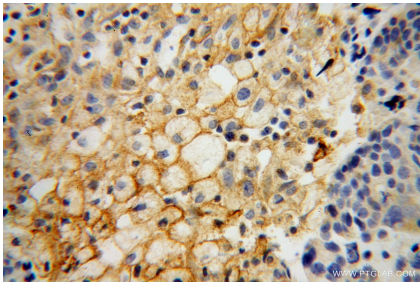
Various lysates were subjected to SDS PAGE followed by western blot with 10978-1-AP (HSD17B2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).