

For Research Use Only

HSD17B2 Polyclonal antibody

Catalog Number:10978-1-AP

Featured Product

33 Publications



Basic Information

Catalog Number:

10978-1-AP

Size:

150ul , Concentration: 287 ug/ml by Bradford method using BSA as the standard;

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:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse, rat

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

*** 20ul sizes contain 0.1% BSA

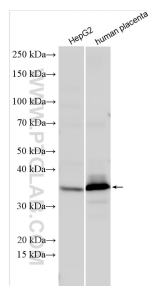
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

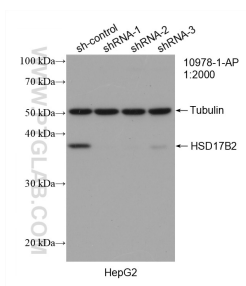
E: proteintech@ptglab.com
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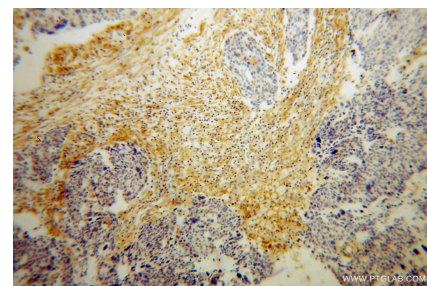
Selected Validation Data



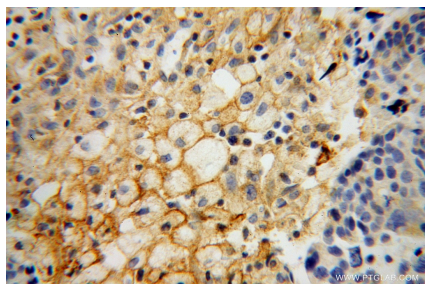
Various lysates were subjected to SDS PAGE followed by western blot with 10978-1-AP (HSD17B2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).