

For Research Use Only

HSD11B1 Polyclonal antibody

Catalog Number: 10928-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

10928-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1361

GenBank Accession Number:

BC012593

GeneID (NCBI):

3290

UNIPROT ID:

P28845

Full Name:

hydroxysteroid (11-beta) dehydrogenase 1

Calculated MW:

36 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: L02 cells, mouse liver tissue, Jurkat cells

IF/ICC: HepG2 cells,

Background Information

HSD11B1 (Corticosteroid 11-beta-dehydrogenase isozyme 1) is also named as HSD11, HSD11L, 11-DH and 11-beta-HSD1. It is a microsomal enzyme, which acts mainly as a NADP(H)-dependent reductase converting inactive cortisone (E) to active cortisol (F), thus regulating intracellular F access to glucocorticoid receptor. This enzyme is widely expressed not only in liver and adipose tissue, but also in adrenal, ovary and decidua. Western blot analysis in human liver, using a specific 11-beta-HSD1 antibody, showed two bands at approximately 34 and 68 kDa confirming the dimeric nature of 11-beta-HSD1 in liver. In omental adipose tissue, an additional band of 50 kDa was strongly expressed (PMID:16914598).

Notable Publications

Author	Pubmed ID	Journal	Application
Bin Xu	30476565	Brain Behav Immun	WB
Yu-Ting Wan	33447950	J Assist Reprod Genet	WB
Yoshinori Takei	39939506	Geroscience	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

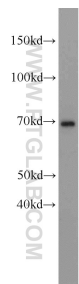
For technical support and original validation data for this product please contact:

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

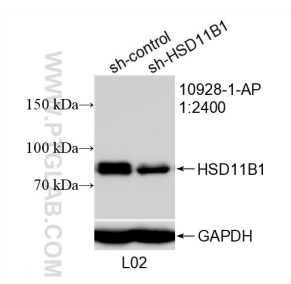
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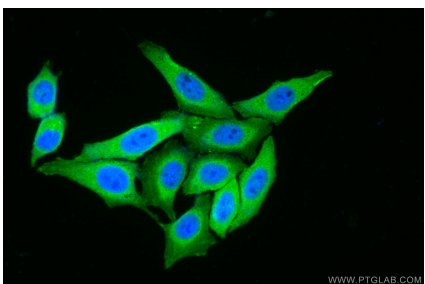
Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 10928-1-AP (HSD11B1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



WB result of HSD11B1 antibody (10928-1-AP; 1:2400; incubated at room temperature for 1.5 hours) with sh-Control and sh-HSD11B1 transfected L02 cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HSD11B1 antibody (10928-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).