

HSD11B1 Polyclonal antibody

Catalog Number: 10928-1-AP

Featured Product

4 Publications

Basic Information

Catalog Number: 10928-1-AP	GenBank Accession Number: BC012593	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3290	Recommended Dilutions: WB 1:200-1:1000 IF 1:50-1:500
Source: Rabbit	Full Name: hydroxysteroid (11-beta) dehydrogenase 1	
Isotype: IgG	Calculated MW: 36 kDa	
Immunogen Catalog Number: AG1361	Observed MW: 65-70 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : L02 cells, mouse liver tissue, Jurkat cells
Species Specificity: human, mouse, rat	IF : L02 cells,
Cited Species: human, mouse	

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
Yuan-Xue Jing	37931646	Gynecol Endocrinol	WB

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.

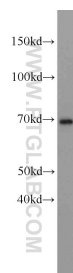
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

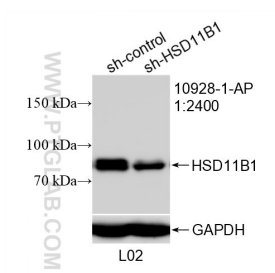
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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

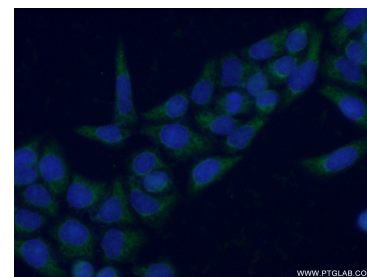
Selected Validation Data



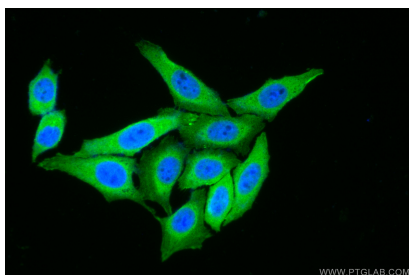
L02 cells were subjected to SDS PAGE followed by western blot with 10928-1-AP (HSD11B1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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 (-20°C Ethanol) fixed L02 cells using 10928-1-AP (HSD11B1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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