

## HSD11B1 Polyclonal Antibody

Catalog number: 10928-1-AP

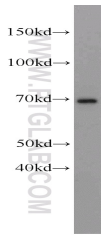
Size: 36 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

HSD11B1; 11 beta HSD1, 11 DH, HDL, HSD11, HSD11B, HSD11B1, HSD11L, SDR26C1



L02 cells were subjected to SDS PAGE followed by western blot with 10928-1-AP (HSD11B1 antibody) at dilution of 1:400

### Background

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 and in omental adipose tissue, an additional band of 50 kDa was strongly expressed (PMID:18209879).

### Applications

Tested applications:	ELISA, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated HSD11B1 MW:	36 kDa
Observed HSD11B1 MW:	65-70 kDa
Positive WB detected in:	L02 cells, Jurkat cells, mouse liver tissue
Recommended dilution:	WB: 1:200-1:1000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1361
GenBank accession number:	BC012593
Gene ID (NCBI):	3290
Full name:	Hydroxysteroid (11-beta) dehydrogenase 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.