

## Product datasheet for **TA338149**

### **HSD11B1 Rabbit Polyclonal Antibody**

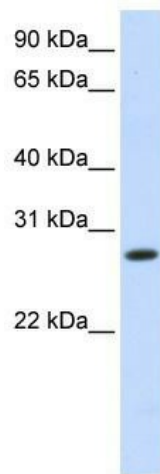
#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB, IHC
<b>Reactivity:</b>	Rat, Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	The immunogen for anti-HSD11B1 antibody: synthetic peptide directed towards the N terminal of human HSD11B1. Synthetic peptide located within the following region: QKVVSHCLELGAASAHYIAGTMEDMTFAEQFVAQAGKLMGGLDMLLNHI
<b>Formulation:</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
<b>Purification:</b>	Affinity Purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	32 kDa
<b>Gene Name:</b>	hydroxysteroid (11-beta) dehydrogenase 1
<b>Database Link:</b>	<a href="#">NP_005516</a> <a href="#">Entrez Gene 25116 Rat</a> <a href="#">Entrez Gene 3290 Human</a> <a href="#">P28845</a>

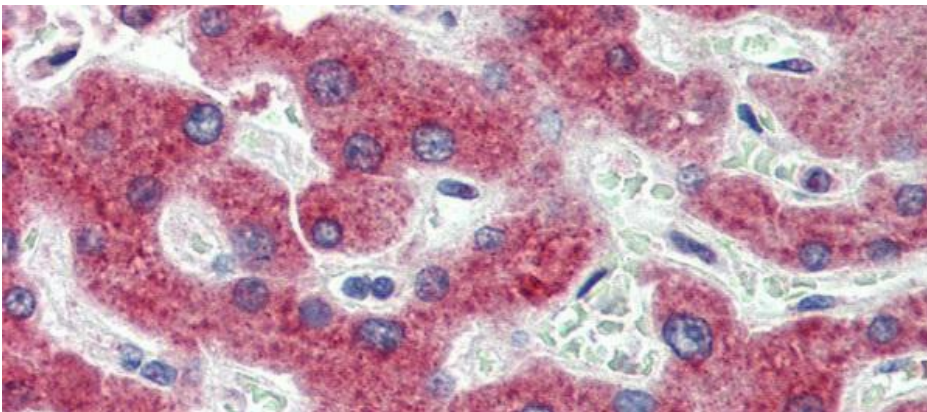


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- Background:** The protein encoded by this gene is a microsomal enzyme that catalyzes the conversion of the stress hormone cortisol to the inactive metabolite cortisone. In addition, the encoded protein can catalyze the reverse reaction, the conversion of cortisone to cortisol. Too much cortisol can lead to central obesity, and a particular variation in this gene has been associated with obesity and insulin resistance in children. Mutations in this gene and H6PD (hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)) are the cause of cortisone reductase deficiency. Alternate splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, May 2011]
- Synonyms:** 11-beta-HSD1; 11-DH; CORTRD2; HDL; HSD11; HSD11B; HSD11L; SDR26C1
- Note:** Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Guinea pig: 100%; Dog: 93%; Horse: 93%; Sheep: 93%; Bovine: 93%; Rabbit: 93%
- Protein Families:** Druggable Genome, Transmembrane
- Protein Pathways:** Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways
- Product images:**



WB Suggested Anti-HSD11B1 Antibody Titration:  
1 ug/ml; Positive Control: Fetal liver cell lysate



Immunohistochemistry with Human Liver cell lysate tissue at an antibody concentration of 5.0 ug/ml using anti-HSD11B1 antibody