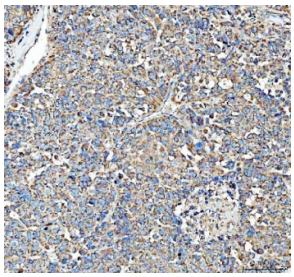
# HSD11B1 Antibody / 11-beta-hydroxysteroid dehydrogenase type 1 (R30441)

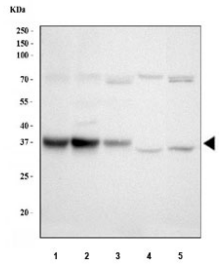
| Catalog No. | Formulation | Size |
|---|---|---|
| R30441 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat, Monkey |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | P28845 |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml |
| **Limitations** | This HSD11B1 antibody is available for research use only. |



HSD11B1 Antibody Liver Immunohistochemistry. IHC staining of FFPE human liver cancer tissue with HSD11B1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




HSD11B1 Antibody Liver WB. Western blot testing of 1) human HCCT, 2) human HCCP, 3) monkey liver, 4) rat liver and 5) mouse liver tissue lysate with HSD11B1 antibody. Predicted molecular weight: ~32 kDa.

## Description

HSD11B1 Antibody specifically detects 11-beta-hydroxysteroid dehydrogenase type 1, an NADPH-dependent enzyme highly expressed in key metabolic tissues including liver, adipose tissue, and the central nervous system. In these tissues, HSD11B1 reduces cortisone to the active hormone cortisol that activates glucocorticoid receptors. It is inhibited by carbenoxolone, a drug typically used in the treatment of peptic ulcers. Tannin et al.(1991) localized the HSD11B1 gene to chromosome 1. The localization was confirmed by isolating the gene from a chromosome 1-specific library using the cDNA as a probe. Schutte et al.(2000) mapped the HSD11B1 gene to 1q32-q41.

Researchers investigating glucocorticoid signaling, steroid metabolism, and cortisol activation pathways may also benefit from this HSD11B1 Antibody / Glucocorticoid Metabolism Enzyme page featuring knockout-validated and peptide-blocked endogenous tissue western blot data.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HSD11B1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the N-terminus of human HSD11B1 (MAYYYYSANEEFRPEMLQ) was used as the immunogen for this HSD11B1 antibody.

## Storage

After reconstitution, the HSD11B1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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