

Datasheet for ABIN3043846
anti-HSD11B2 antibody (C-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	HSD11B2
Binding Specificity:	AA 277-309, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Corticosteroid 11-beta-dehydrogenase isozyme 2(HSD11B2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human HSD11B2 (277-309aa EK RKQLLLANLPQELLQAYGKDYIEHLHGQFLH), different from the related mouse sequence by five amino acids, and from the related rat sequence by three amino acids.
Sequence:	EK RKQLLLAN LPQELLQAYG KDYIEHLHGQ FLH
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Corticosteroid 11-beta-dehydrogenase isozyme 2(HSD11B2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.</p> <p>Gene Name: hydroxysteroid (11-beta) dehydrogenase 2</p> <p>Protein Name: Corticosteroid 11-beta-dehydrogenase isozyme 2</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: HSD11B2

Alternative Name: HSD11B2 ([HSD11B2 Products](#))

Background: Corticosteroid 11- β -dehydrogenase isozyme 2, also known as 11- β -hydroxysteroid dehydrogenase 2, is an enzyme that in humans is encoded by the HSD11B2 gene. There are at least two isozymes of the corticosteroid 11-beta-dehydrogenase, a microsomal enzyme complex responsible for the interconversion of cortisol and cortisone. The type I isozyme has both 11-beta-dehydrogenase (cortisol to cortisone) and 11-oxoreductase (cortisone to cortisol) activities. The type II isozyme, encoded by this gene, has only 11-beta-dehydrogenase activity. In aldosterone-selective epithelial tissues such as the kidney, the type II isozyme catalyzes the glucocorticoid cortisol to the inactive metabolite cortisone, thus preventing illicit activation of the mineralocorticoid receptor. In tissues that do not express the mineralocorticoid receptor, such as the placenta and testis, it protects cells from the growth-inhibiting and/or pro-apoptotic effects of cortisol, particularly during embryonic development. Mutations in this gene cause the syndrome of apparent mineralocorticoid excess and hypertension.

Synonyms: 11 beta HSD2 antibody|11 beta hydroxysteroid dehydrogenase type 2 antibody|11 DH2 antibody|11-beta-HSD2 antibody|11-beta-hydroxysteroid dehydrogenase type 2 antibody|11-DH2 antibody|AME antibody|AME1 antibody|Corticosteroid 11 beta dehydrogenase isozyme 2 antibody|Corticosteroid 11-beta-dehydrogenase isozyme 2 antibody|DHI2_HUMAN antibody|HSD11B2 antibody|HSD11K antibody|HSD2 antibody| Hydroxysteroid 11 beta dehydrogenase 2 antibody|Hydroxysteroid 11 beta dehydrogenase isoenzyme 2 antibody|NAD dependent 11 beta hydroxysteroid dehydrogenase antibody|NAD-dependent 11-beta-hydroxysteroid dehydrogenase antibody|SDR9C3 antibody|Short chain dehydrogenase/reductase family 9C, member 3 antibody

Gene ID: 3291

UniProt: [P80365](#)

Pathways: [Steroid Hormone Biosynthesis](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 μ g/mL, Tested Species: Human, Rat

Application Details

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

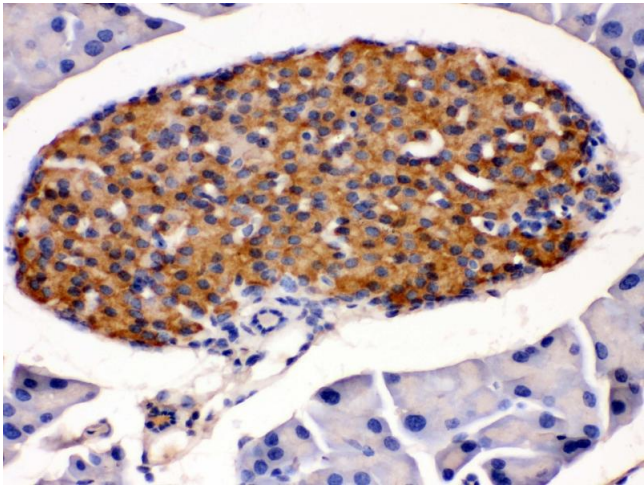
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

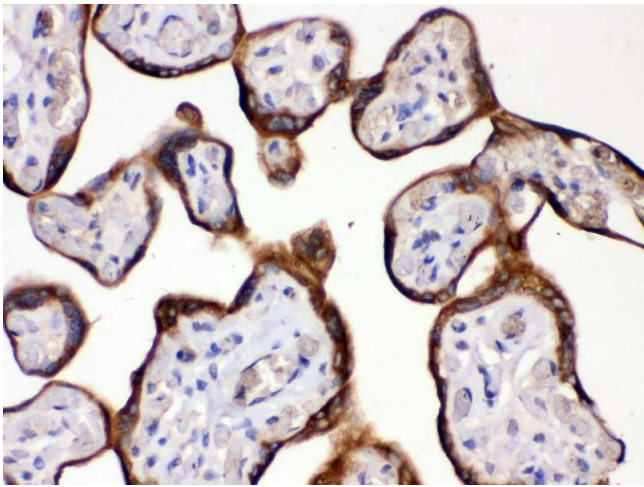
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.

It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



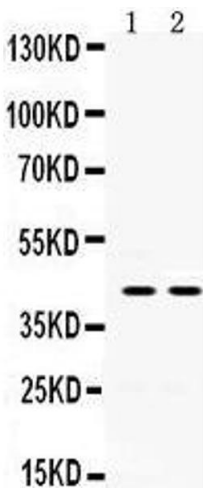
Immunohistochemistry

Image 1. Anti- HSD11B2 antibody, IHC(P) IHC(P): Mouse Pancreas Tissue



Immunohistochemistry

Image 2. Anti- HSD11B2 antibody, IHC(P) IHC(P): Human Placenta Tissue



Western Blotting

Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043846.