

Datasheet for ABIN6142000
anti-HSD11B2 antibody (AA 266-405)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	HSD11B2
Binding Specificity:	AA 266-405
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD11B2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 266-405 of human HSD11B2 (NP_000187.3).
Sequence:	KTESVRNVGQ WEK RKQLLLA NLPQELLQAY GKDYIEHLHG QFLHSLRLAM SDLTPVVD AI TDALLAARPR RRYYPGQGLG LMYFIHYLYP EGLRRRFLQA FFISHCLPRA LQPGQPGTTP PQDAAQDPNL SPGPSPAVAR
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	HSD11B2
Alternative Name:	HSD11B2 (HSD11B2 Products)
Background:	<p>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.,HSD11B2,AME,AME1,HSD11K,HSD2,SDR9C3,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Growth factor,Endocrine & Metabolism,Cardiovascular,Hypoxia,Heart,Cardiovascular diseases,Hypertension,Heart disease,HSD11B2</p>
Molecular Weight:	44 kDa
Gene ID:	3291
UniProt:	P80365
Pathways:	Steroid Hormone Biosynthesis , Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Application Notes:	WB,1:200 - 1:1000
Restrictions:	For Research Use only

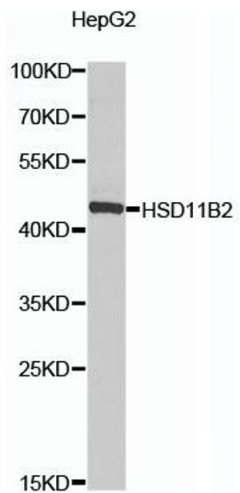
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of HepG2 cells, using HSD11B2 antibody (ABIN6129828, ABIN6142000, ABIN6142001 and ABIN6224104) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 15s.