

HSD11B2 Polyclonal Antibody | anti-HSD11B2 antibody

Anti-HSD11B2 Antibody

CATALOG # AAA46463	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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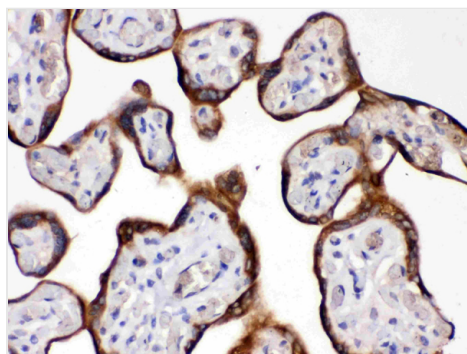
PRODUCT SYNONYMS

HSD11B2; Polyclonal Antibody; Anti-HSD11B2 Antibody; Corticosteroid 11-beta-dehydrogenase isozyme 2; 11 beta HSD2; 11 beta hydroxysteroid dehydrogenase type 2; 11 DH2; 11-beta-HSD2; 11-beta-hydroxysteroid dehydrogenase type 2; 11-DH2; AME; AME1; Corticosteroid 11 beta dehydrogenase isozyme 2; DHI2_HUMAN; HSD11K; HSD2; Hydroxysteroid 11 beta dehydrogenase 2; Hydroxysteroid 11 beta dehydrogenase isoenzyme 2; NAD dependent 11 beta hydroxysteroid dehydrogenase; NAD-dependent 11-beta-hydroxysteroid dehydrogenase; SDR9C3; Short chain dehydrogenase/reductase family 9C; member 3; hydroxysteroid (11-beta) dehydrogenase 2; anti-HSD11B2 antibody

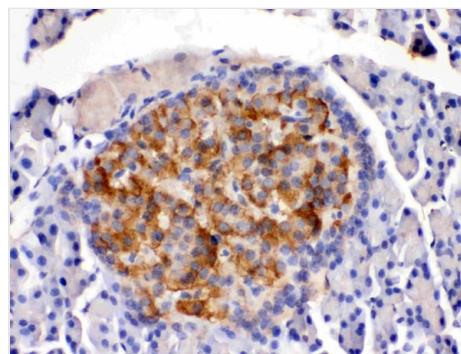
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	405
Applicable Applications for anti-HSD11B2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HSD11B2 (277-309aa EKRRKQLLLANLPQELLQAYGKDYIEHLHGQFLH), different from the related mouse sequence by five amino acids, and from the related rat sequence by three amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

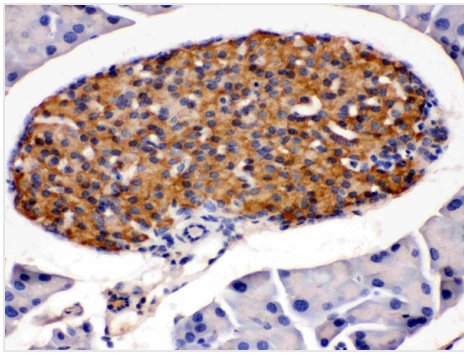
IMAGES



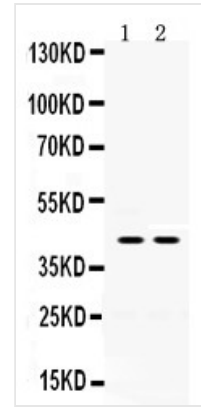
IHC (Immunohistochemistry)
Anti- HSD11B2 antibody, IHC(P)IHC(P): Human Placenta Tissue



IHC (Immunohistochemistry)
Anti- HSD11B2 antibody, IHC(P)IHC(P): Rat Pancreas Tissue



IHC (Immunohistochemistry)
Anti- HSD11B2 antibody, IHC(P)IHC(P): Mouse Pancreas Tissue



WB (Western Blot)
Anti- HSD11B2 antibody, Western blotting

ADDITIONAL INFORMATION

Related Product Information for anti-HSD11B2 antibody	Description: Rabbit IgG polyclonal antibody for Corticosteroid 11-beta-dehydrogenase isozyme 2(HSD11B2) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Corticosteroid 11-beta-dehydrogenase isozyme 2, also known as 11-beta-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.
References	1. Albiston AL, Obeyesekere VR, Smith RE, Krozowski ZS (November 1994). "Cloning and tissue distribution of the human 11 beta-hydroxysteroid dehydrogenase type 2 enzyme". Mol. Cell. Endocrinol. 105 (2): R11-7. 2. Brown RW, Chapman KE, Kotelevtsev Y, Yau JL, Lindsay RS, Brett L, Leckie C, Murad P, Lyons V, Mullins JJ, Edwards CR, Seckl JR (February 1996). "Cloning and production of antisera to human placental 11 beta-hydroxysteroid dehydrogenase type 2". Biochem. J. 313 (Pt 3) (Pt 3): 1007-17.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119392083
NCBI GeneID	3291
NCBI Accession #	NP_000187.3
NCBI GenBank Nucleotide #	NM_000196.3
UniProt Accession #	P80365; Q13194; Q6P2G9; Q8N439; Q96QN8; Q9UC50; Q9UC51; Q9UCW5; Q9UCW6; Q9UCW7; A7LB28; C5HTY7
Molecular Weight	44,127 Da
NCBI Official Full Name	corticosteroid 11-beta-dehydrogenase isozyme 2
NCBI Official Synonym Full Names	hydroxysteroid (11-beta) dehydrogenase 2
NCBI Official Symbol	HSD11B2
NCBI Official Synonym Symbols	AME; AME1; HSD2; HSD11K; SDR9C3
NCBI Protein Information	corticosteroid 11-beta-dehydrogenase isozyme 2
UniProt Protein Name	Corticosteroid 11-beta-dehydrogenase isozyme 2

UniProt Gene Name	HSD11B2
UniProt Synonym Gene Names	; 11-DH2; 11-beta-HSD2; 11-HSD type II; 11-beta-HSD type II; 11-beta-HSD
UniProt Entry Name	DHI2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hsd11b2-antibody-immunohistochemistry-western-blot-elisa/46463>