

Product datasheet for AP31830PU-N

HSD11B1 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

IHC, WB **Applications:**

Recommended Dilution: Immunohistochemistry on Paraffin Sections: 1/100.

Western Blot: 1/500 - 1/3000.

Reactivity: Human, Mouse, Rat

Host: Rabbit **IgG** Isotype:

Polyclonal Clonality:

Immunogen: Synthetic peptide

Specificity: This Polyclonal antibody is directed against human 11-Hydroxysteroid Dehydrogenase(Type

1)protein.

Expect reactivity with Human 11-Hydroxysteroid Dehydrogenase(Type 1).

Cross-reactivity with 11-Hydroxysteroid Dehydrogenase (Type 1) from other sources has not

been determined.

Formulation: PBS, pH 7.4 containing 0.02% Sodium Azide as preservative

State: Aff - Purified

State: Liquid purified Ig fraction

Concentration: lot specific

Purification: Protein A Chromatography

Conjugation: Unconjugated

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: hydroxysteroid (11-beta) dehydrogenase 1

Database Link: Entrez Gene 15483 MouseEntrez Gene 25116 RatEntrez Gene 3290 Human

P28845



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HSD11B1 Rabbit Polyclonal Antibody - AP31830PU-N

Background: HSD11B1 Catalyzes reversibly the conversion of cortisol to the inactive metabolite cortisone.

Catalyzes reversibly the conversion of 7-ketocholesterol to 7-beta-hydroxycholesterol. In intact cells, the reaction runs only in one direction, from 7-ketocholesterol to 7-beta-

hydroxycholesterol.

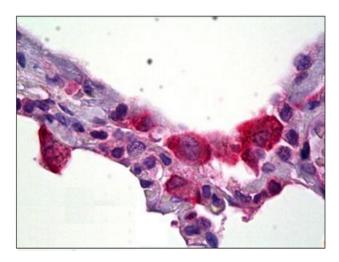
Defects in HSD11B1 are a cause of cortisone reductase deficiency (CRD) [MIM:604931]. In CRD, activation of cortisone to cortisol does not occur, resulting in adrenocorticotropin-mediated androgen excess and a phenotype resembling polycystic ovary syndrome (PCOS).

Synonyms: 11-beta-hydroxysteroid dehydrogenase 1, HSD11, HSD11L, 11-DH

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways

Product images:



Formalin-Fixed, Paraffin-Embedded Human Lung, Macrophages stained with HSD11B1 antibody