

AP31830PU-N**Polyclonal Antibody to 11-beta HSD1 / HSD11B1 - Aff - Purified**

Alternate names:	11-DH, 11-beta-hydroxysteroid dehydrogenase 1, Corticosteroid 11-beta-dehydrogenase isozyme 1, HSD11, HSD11L
Quantity:	50 µl
Concentration:	1 mg/ml
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).
Uniprot ID:	P28845
NCBI:	NP_001193670
GeneID:	3290
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide
Format:	State: Liquid purified Ig fraction Purification: Protein A Chromatography Buffer System: PBS, pH 7.4 containing 0.02% Sodium Azide as preservative
Applications:	Immunohistochemistry on Paraffin Sections: 1/100. Western Blot: 1/500 - 1/3000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
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.
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Formalin-Fixed, Paraffin-Embedded
Human Lung, Macrophages stained with
HSD11B1 antibody Cat.-No AP31830PU-N

