Anti-HSD11B1 Antibody

Description	The protein encoded by this gene is a microsomal enzyme that catalyzes the conversion of the stress hormone cortisol to the inactive metabolite cortisone. In addition, the encoded protein can catalyze the reverse reaction, the conversion of cortisone to cortisol. Too much cortisol can lead to central obesity, and a particular variation in this gene has been associated with obesity and insulin resistance in children. Mutations in this gene and H6PD (hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)) are the cause of cortisone reductase deficiency. Alternate splicing results in multiple transcript variants encoding the same protein.
Model	STJ115935
Host	Rabbit
Reactivity	Human, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 25-292 of human HSD11B1 (NP_005516.1).
Gene ID	3290
Gene Symbol	HSD11B1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed, Highest expression in liver
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Corticosteroid 11-beta-dehydrogenase isozyme 1

Molecular Weight	32.401 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:5208OMIM:600713Reactome:R-HSA-194002
Alternative Names	Corticosteroid 11-beta-dehydrogenase isozyme 1
Function	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 ,
Cellular Localization	Endoplasmic reticulum membrane
Post-translational Modifications	Glycosylated,