

HSD11B2 Polyclonal Antibody

Catalog number: 14192-1-AP

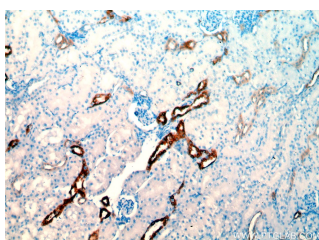
Size: 35 µg/150 µl

Source: Rabbit

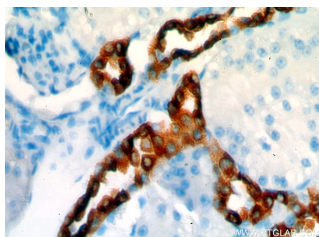
Isotype: IgG

Synonyms:

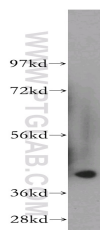
HSD11B2; 11 beta HSD2, 11
DH2, AME, AME1, HSD11B2,
HSD11K, HSD2, SDR9C3



Immunohistochemical of paraffin-embedded human kidney using 14192-1-AP(HSD11B2 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human kidney using 14192-1-AP(HSD11B2 antibody) at dilution of 1:50 (under 40x lens)



human kidney tissue were subjected to SDS PAGE followed by western blot with 14192-1-AP(HSD11B2 antibody) at dilution of 1:300

Background

The HSD11B2 gene encodes the type II isoform of 11-beta-hydroxysteroid dehydrogenase, a microsomal enzyme complex responsible for the interconversion of biologically active cortisol and inactive cortisone. This protein catalyzes the cortisol-to-cortisone reaction. This protein expresses approximately 44 kDa in placenta, trophoblast, and distal colon, but in kidney tissue, there are two bands of approximately 44 and 48 kDa can be consistently observed and no signal is seen in decidua, adrenal, or liver(PMID:9048640). HSD11B2 protein was detected in CEM-C7 cells via immunoblot analysis as a dimer and trimer of approximately 80 and 120 kDa (PMID:23762608).

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated HSD11B2 MW:	405aa, 44 kDa
Observed HSD11B2 MW:	40-43 kDa
Positive WB detected in	Human kidney tissue, human placenta tissue, mouse kidney tissue, Transfected HEK-293 cells
Positive IHC detected in	Human kidney tissue
Recommended dilution:	WB: 1:200-1:1000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5146
GenBank accession number:	BC036780
Gene ID (NCBI):	3291
Full name:	Hydroxysteroid (11-beta) dehydrogenase 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.