

For Research Use Only

HSD11B2 Recombinant monoclonal antibody

Catalog Number: 87244-1-RR



Basic Information

Catalog Number: 87244-1-RR	GenBank Accession Number: BC036780	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3291	CloneNo.: 250591F12
Isotype: IgG	UNIPROT ID: P80365	Recommended Dilutions: WB: 1:5000-1:50000
Immunogen Catalog Number: AG5146	Full Name: hydroxysteroid (11-beta) dehydrogenase 2	
	Calculated MW: 405 aa, 44 kDa	
	Observed MW: 40-43 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: mouse kidney tissue, COLO 320 cells, HT-29 cells, Caco-2 cells, rat kidney tissue, human kidney tissue
Species Specificity: human, mouse, rat	

Background Information

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).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

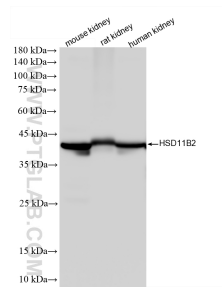
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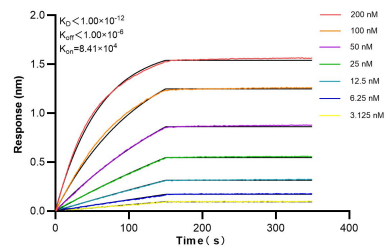
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87244-1-RR (HSD11B2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87244-1-RR against Human HSD11B2 were performed. The affinity constant is below 1 pM.