

Supplementary data to Amino Acids

Intrinsic carnosine metabolism in the human kidney

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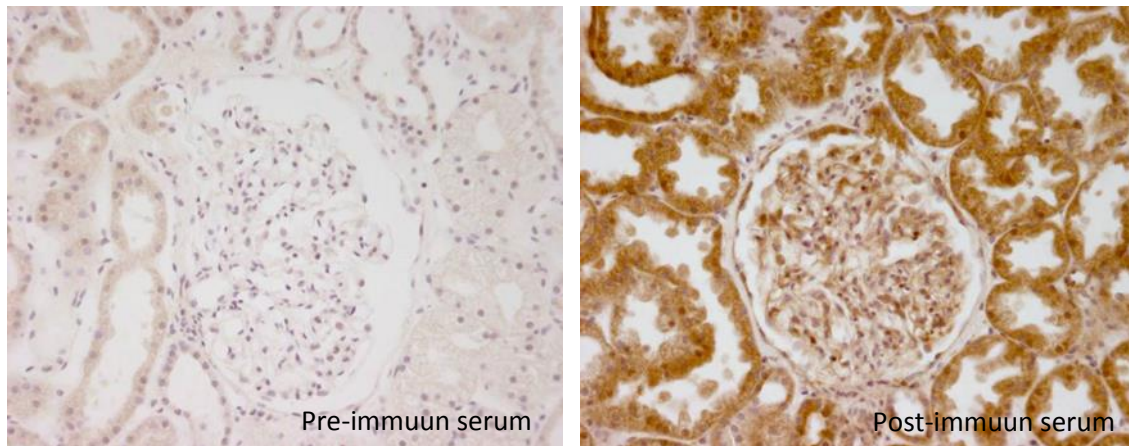
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Supplementary data

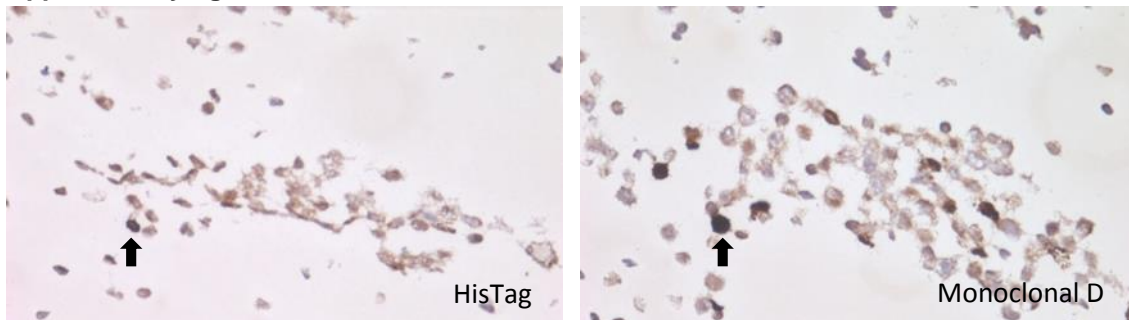
Supplementary figure 1.



Supplementary figure 1. Carnosinase-1 (CNDP1) antibody specificity

Serum from rabbits immunized by CNDP1 for peptide inhibition. Pre-immun serum is negative control and post-immun serum is positive control.

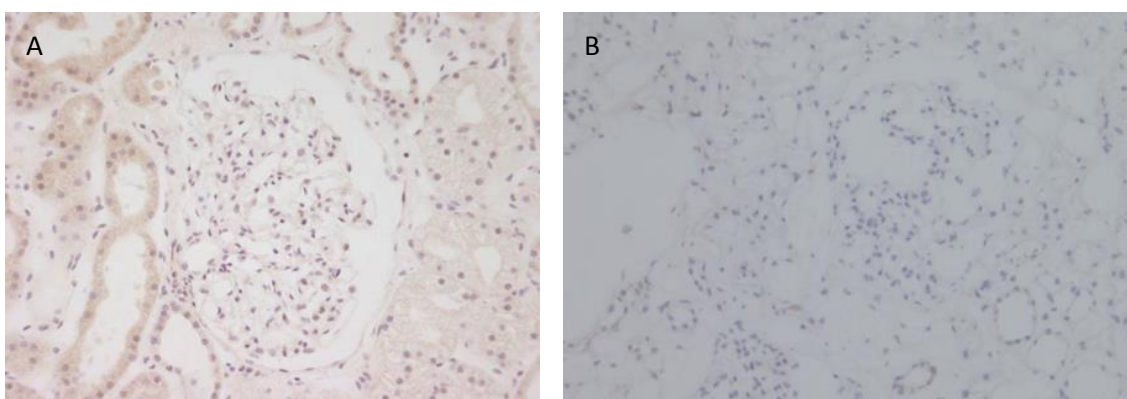
Supplementary figure 2.



Supplementary figure 2. Carnosine synthase (CARNS) (ATPGD1) antibody specificity

The antibody for CARNS was provided by the group of F. Margolis, who isolated the enzyme in a previous study (Margolis, 1987), before the gene for CARNS was discovered in 2010 (Drozak, 2010). By performing double staining with this antibody and anti-HisTag antibody on cryo sections of MNGG cells transfected with HisTag labelled CARNS protein. Arrows show the colocalization between the

Supplementary figure 3.



Supplementary figure 3. Negative controls of CNDP1 and CARNS A: negative control of CNDP1(pre-immun serum)

B: negative control of CARNS (normal mouse serum and immunoglobulin fraction)