Figure 4. Generation of anti-CgA antibody recognizing amino-terminal peptides of mouse mature CgA

a. Schematic representation of mouse CgA peptides used as an antigen for immunization of the rabbits.

b. Western blot analysis showing that antibody against proinflammatory domain of mouse CgA (anti-mCgA-N’ Ab) recognizes mouse CgA. Total cell lysates from COS-7 cells transfected with pcDNA3-mouse CgA-HA were reacted with anti-mCgA-N’, preimmune serum, commercially available antibody recognizing carboxyl terminus of CgA (α CgA-C’) or anti-HA antibody (α HA).

c. Anti-mCgA-N’ antibody recognizes mouse CgA, not human CgA. COS-7 cells were transfected with pcDNA3-mouse CgA-HA (mCgA-HA), pcDNA3-human CgA-HA (hCgA-HA) or pcDNA3 as a control. Total cell lysates were analyzed by Western blotting using various antibodies including anti-mCgA-N’ (α mCgA-N’), anti-human CgA (α hCgA), anti-CgA-C’ (α CgA-C’) and anti-HA (α HA) Ab.