



Figure 1. Relative positions of CLC-1 mutations on the known structure of eukaryotic CLC, cmCLC (pdb #3ORG). A. Side-view of cmCLC. Each subunit is drawn as surface or ribbon. Arrows indicate relative positions of CLC-1 mutations based on amino acids sequence alignment. Residue name and number in the parenthesis indicate CLC-1 mutations tested in this study. **B.** Top view shows the mutation, G523D in CLC-1 is closely located near dimer interface.