

WESTERN BLOTTING FOR 5-LOX IN SZ95 SEBOCYTES

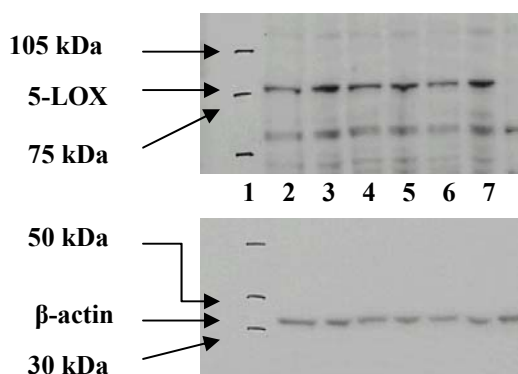


Fig. 2a. Protein expression of 5-LOX in whole lysates of SZ95 sebocytes after 30 minutes' incubation with AA and/or CaI. A 79 kDa band corresponding to 5-LOX was observed. B-actin (42 kDa) was used as housekeeping protein. Lanes: 1. Molecular weight marker; 2. Control; 3. Cells treated with AA (100 μ M); 4. Cells treated with CaI (0.1 μ M); 5. Cells treated with AA (100 μ M) and CaI (0.1 μ M); 6. Cells treated with CaI (1 μ M); 7. Cells treated with AA (100 μ M) and CaI (1 μ M). The blotting is representative of two independent experiments.

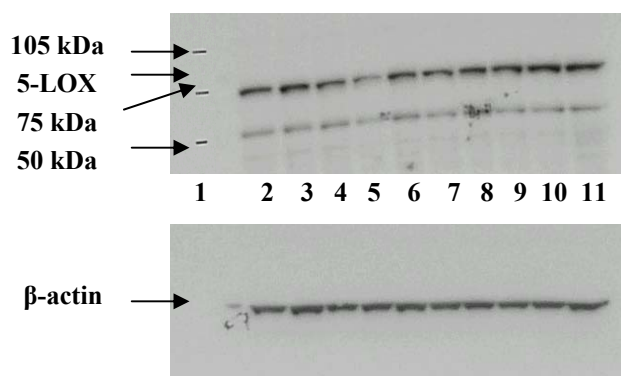


Fig. 2b. Protein expression of 5-LOX in supernatants of SZ95 sebocytes after 30 minutes' (lanes 2-7) and 6 hours' (lanes 8-11) incubation with AA and/or CaI. A 79 kDa band corresponding to 5-LOX was observed. B-actin (42 kDa) was used as housekeeping protein. Lanes: 1. Molecular weight marker; 2. Control; 3. Cells treated with AA (100 μ M); 4. Cells treated with CaI (0.1 μ M); 5. Cells treated with AA (100 μ M) and CaI (0.1 μ M); 6. Cells treated with CaI (1 μ M); 7. Cells treated with AA (100 μ M) and CaI (1 μ M); 8. Control; 9. Cells treated with AA (100 μ M); 10. Cells treated with CaI (0.1 μ M); 11. Cells treated with AA (100 μ M) and CaI (0.1 μ M). The blotting is representative of five independent experiments.

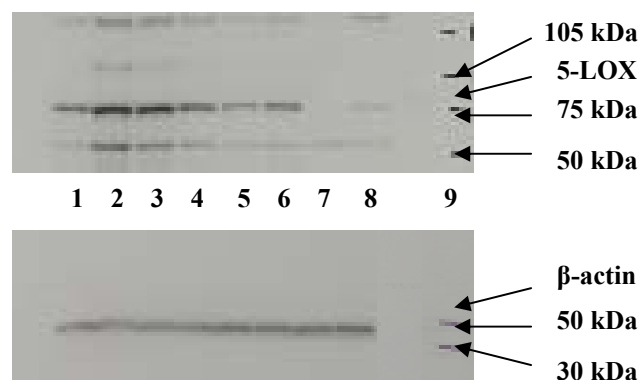


Fig. 2c. Protein expression of 5-LOX in supernatants of SZ95 sebocytes after 1 hour's incubation with AA and/or CaI. A 79 kDa band corresponding to 5-LOX was observed. B-actin (42 kDa) was used as housekeeping protein. Lanes: 1. Control; 2. Cells treated with AA (100 μ M); 3. Cells treated with CaI (0.1 μ M); 4. Cells treated with AA (100 μ M) and CaI (0.1 μ M); 5. Cells treated with CaI (1 μ M); 6. Cells treated with AA (100 μ M) and CaI (1 μ M); 7. HL60 cells treated AA; 8. MCF7 cells treated with AA; 9. Molecular weight marker. The blotting is representative of five independent experiments.

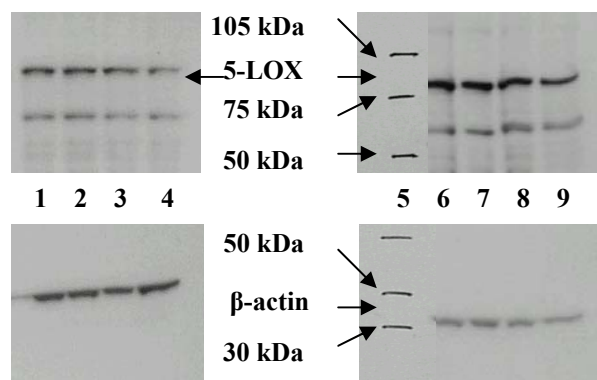


Fig. 2d. Protein expression of 5-LOX in supernatants of SZ95 sebocytes after 12 hours' (lanes 1-4) and 24 hours' (lanes 6-9) incubation with AA and/or CaI. A 79 kDa band corresponding to 5-LOX was observed. B-actin (42 kDa) was used as housekeeping protein. Lanes: 1. Control; 2. Cells treated with AA (100 μ M); 3. Cells treated with CaI (0.1 μ M); 4. Cells treated with AA (100 μ M) and CaI (0.1 μ M); 5. Molecular weight marker; 6. Control; 7. Cells treated with AA (100 μ M); 8. Cells treated with CaI (0.1 μ M); 9. Cells treated with AA (100 μ M) and CaI (0.1 μ M). The blotting is representative of five independent experiments.