

Gas6-Axl pathway: The role of redox-dependent association of Axl with non-muscle
myosin IIB

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Supplementary Data

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Running title: Redox sensitive Axl-MHC-IIB interaction

Supplementary Figures: 2

Figure S1

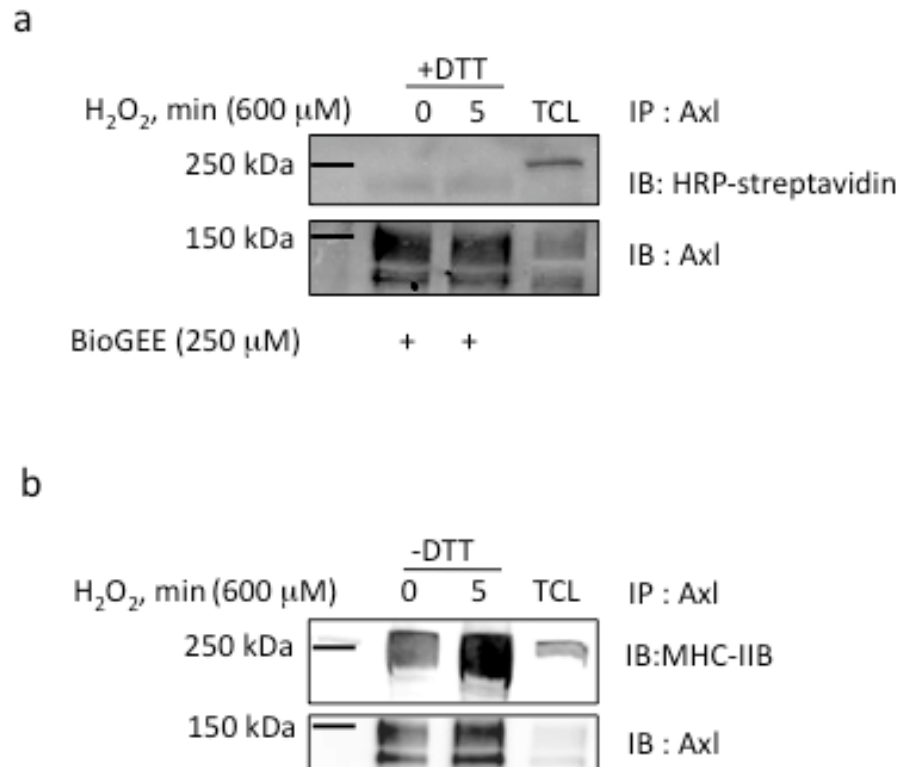


Figure S1. a. Cells were harvested with 1mM DTT in the lysis buffer to disrupt disulphide bonds. Axl was immunoprecipitated. Normal SDS-PAGE gel was performed and BioGEE labeled proteins were detected with HRP-streptavidin. Note: MHC-IIB the 225 kDa was not detected; TCL = total cell lysate. **b.** Cells were serum starved and stimulated with 600 μM H₂O₂ for 5 min. Cells were harvested and Axl was immunoprecipitated. Normal SDS-PAGE gel was performed and probed for MHC-IIB. Note: Interaction between Axl and MHC-IIB increases upon stimulation.

Figure S2

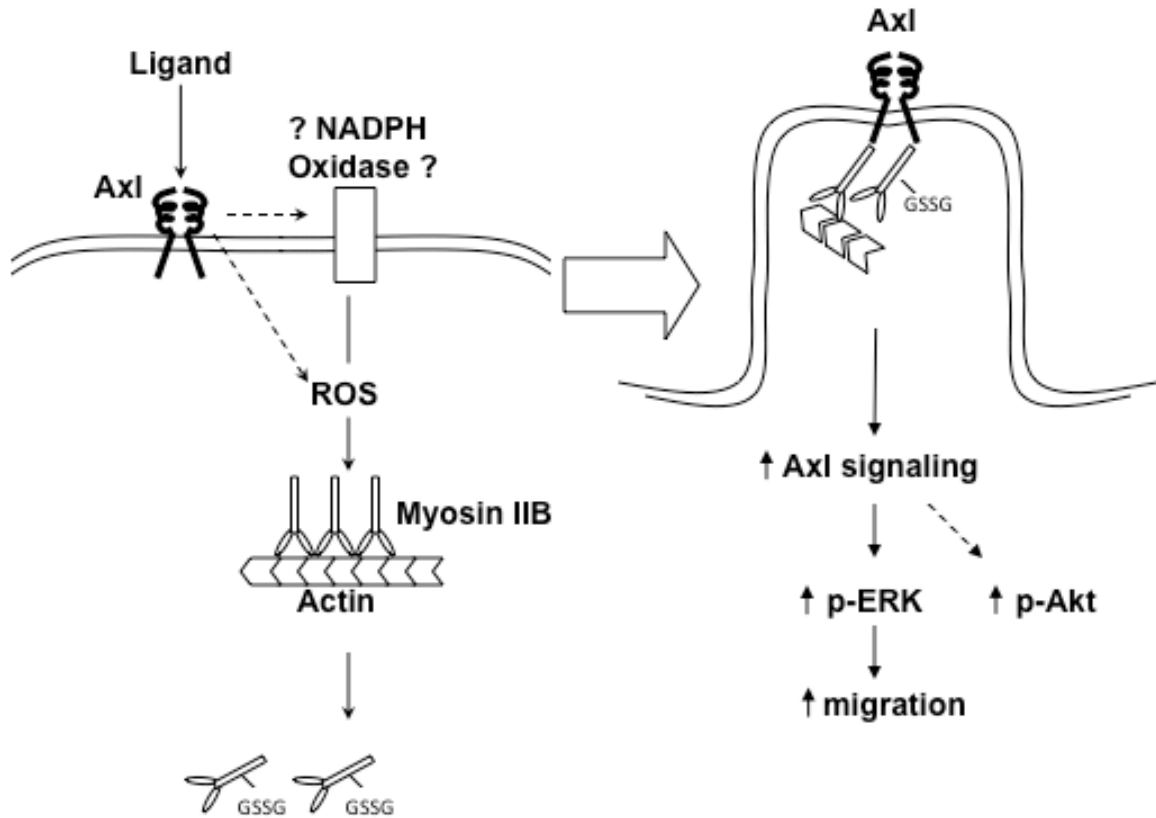


Figure S2. Proposed model: Upon Axl activation there is an increase in intracellular ROS. This results in glutathiolation of MHC-IIB, which promotes its interaction with Axl, activating Axl's pro-migratory signaling through ERK activation.