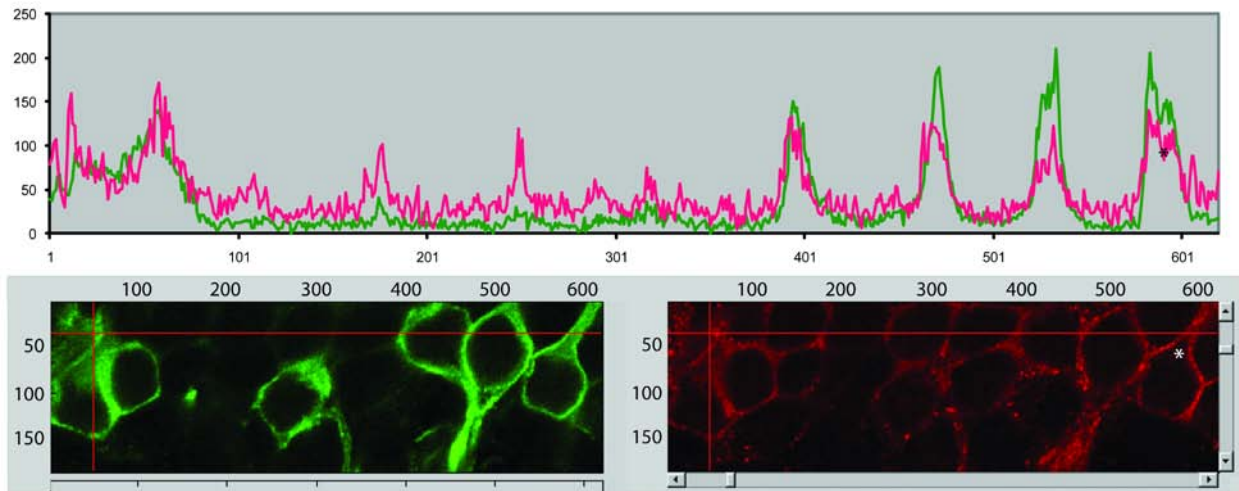


Supplemental Figure 1. Anti-GAT3 does not recognize denatured monkey GAT3. Western blots were done on monkey retina (mky), untransfected HEK cells (control), and HEK cells transfected with the short form of GAT3 (GAT3-s), the long form of GAT3 (GAT3-l) and both (GAT3). Same non-specific band is seen in all samples.



Supplemental Figure 2. Staining for GAT3 precisely localizes with PKC in rod bipolar cells. Bottom images show staining for PKC (left, green) and GAT3 (right, red) in the INL. Numbers on the X and Y axes designate pixel numbers. Top: Intensity of green and red stain along the red horizontal lines in the images below. Numbers on the X axis are pixel numbers. The figure shows that the red profiles coincide precisely with the green profiles suggesting the GAT3-stain is localized to the rod bipolar cell, associated with its membrane. Note also the above background intensity within the primary dendrite of the rod bipolar on the right (*).