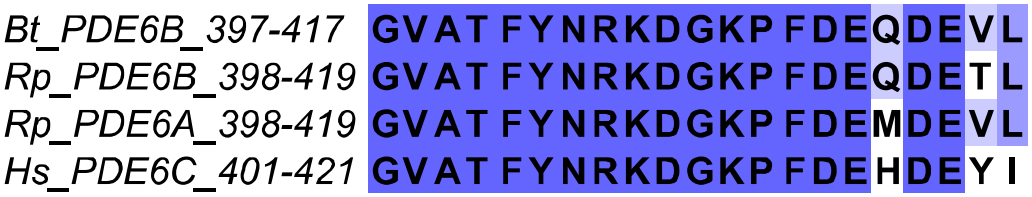
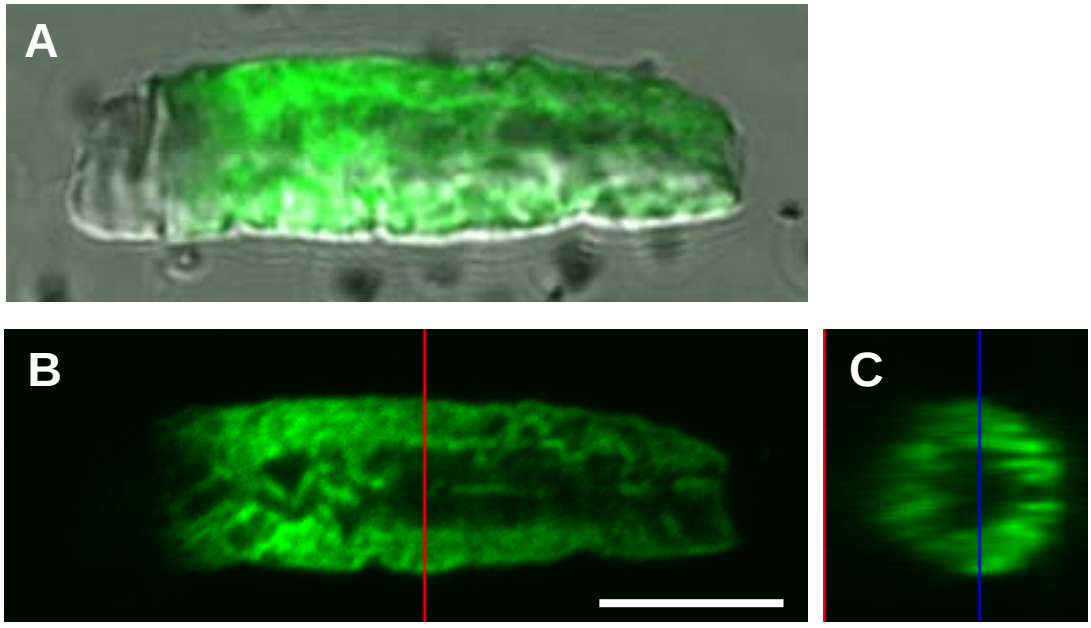
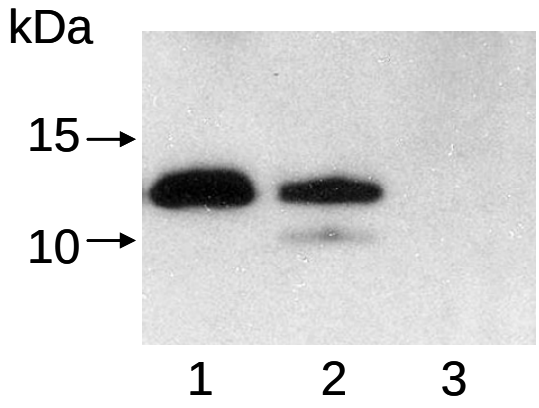


Suppl. Figure 1. Anti-bovine PDE6B antibodies 63F raised against residues 397-417. Sequence alignment of bovine PDE6B-397-417 with corresponding sequences of human PDE6C and frog PDE6A and PDE6B indicates that antibodies Ab 63F recognize PDE6C, PDE6C-A, PDE6C-B, frog PDE6A and PDE6B equally well.

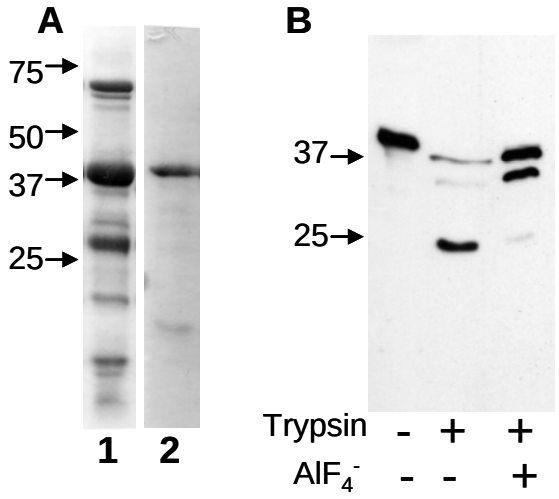
Bt - Bos taurus, Rp - Rana pipiens, Hs – Homo sapiens.



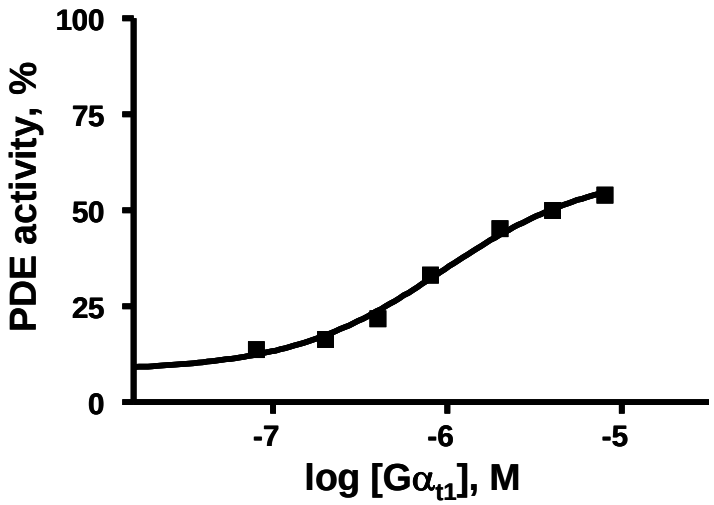
Suppl. Figure 2. EGFP-fluorescence in a dissociated EGFP-PDE6C-B rod.
(**A**) EGFP-fluorescence/DIC overlay. (**B**) EGFP-fluorescence - a Z section through the center of the ROS. (**C**) Cross-section of the ROS corresponding to the position identified by red line was reconstructed from the Z-scan stack with an interval of 0.9 μm. Bar – 10 μm.



Suppl. Figure 3. The beads with bound EGFP-PDE6C (1) were treated with thrombin (2) or trypsin (3), and proteins released into the soluble fraction were separated on a 10% polyacrylamide gel with Tris-tricine buffer system and analyzed by immunoblotting with anti-Pγ-63-87 antibodies. The 10-kDa band in lane 2 is apparently an N-terminally truncated Pγ.



Suppl. Figure 4. A. Purification of human $G\alpha_{t2}$ from *E. coli* extract. Coomassie-stained gel: **lane 1** - His-tagged $G\alpha_{t2}$ purified on Ni-NTA resin (Novagen), **lane 2** – $G\alpha_{t2}$ after purification using a MonoQ(5/5) column. **B**. Trypsin-protection test demonstrates the ability of purified $G\alpha_{t2}$ to adopt an active conformation and confirms proper folding of the protein. Purified recombinant $G\alpha_{t2}$ (0.1 mg/ml) was treated with trypsin (25 μg/ml) for 10 min at 25^0C in the presence of 100 μM GDP and in the absence or presence of 30 μM $AlCl_3$ /10 mM NaF. The reaction was stopped with 10 fold molar excess of SB-trypsin inhibitor and the proteins were analyzed by Western blotting with anti-$G\alpha_{t2}$ specific antibodies I-20 (Santa Cruz Biotech).



Suppl. Figure 5. Bovine rod PDE6 was treated with thrombin (2 units, restriction grade) (Novagen) for 2 hrs at 25^0C and activated with various concentrations of the GTPγS-bound bovine $G\alpha_{t1}$ ($K_{1/2}$=940±100 nM). PDE activities are expressed as % of the maximal level obtained with trypsin treatment.