**Table S1.** Antibody information for immunostaining.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Antibody | Source | Catalog Number | Host | Dilution |
| CHX10 | Abcam | ab16142 | Sheep | 1:200-1:500 |
| BRN3A | Millipore | MAB1585 | Mouse | 1:200 |
| CALB | Calbiochem | PC253L | Rabbit | 1:500 |
| RHO | A gift from Dr. Robert Molday, University of British Columbia, Vancouver, Canada |  | Mouse | 1:500 |
| RHO | A gift of Dr. Robert Molday |  | Rabbit | 1:500 |
| OPN1SW (N-20) | Santa Cruz | sc-14363 | Goat | 1:150-1:200 |
| PKCα | Sigma | P4334 | Rabbit | 1:500-1:1000 |
| Recoverin | Chemicon | AB5585 | Rabbit | 1:500 |
| CRALBP | Abcam | ab15051 | Mouse | 1:500 |
| OPN1L/MW | Millipore | AB5405 | Rabbit | 1:200-1:500 |
| Bassoon | Cell Signaling | 6897S | Rabbit | 1:200 |