**Supplementary Table 2:** Antibodies used for Western blotting and immunofluorescence

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| **Antibody** | **Catalog #** | **Company** | **Dilution** |
| Rabbit anti-FOXA2 | 3143 | Cell Signaling Technology | WB (1:5000)  IS (1:500) |
| Mouse anti-AFP | A8452 | Sigma Aldrich | WB (1:5000)  IS (1:4000) |
| Rabbit anti-HNF4A | 3113S | Cell Signaling Technology | IS (1:500) |
| Anti-CEBPA | Ab40761 | Abcam | IS (1:500) |
| Anti-ALBUMIN | A6684 | Sigma | WB (1:5000)  IS (1:500) |
| Anti-CYP3A4 | Ab135813 | Abcam | IS (1:500) |
| Anti-AAT | MAB1268 | R&D | IS (1:500) |
| Anti-CPS1 | Ab45956 | Abcam | IS (1:500) |
| Mouse anti-Ki67 | 561165 | BD | IS (1:500) |
| Anti-PD1 | 86163 | Cell Signaling Technology | IS (1:500) |