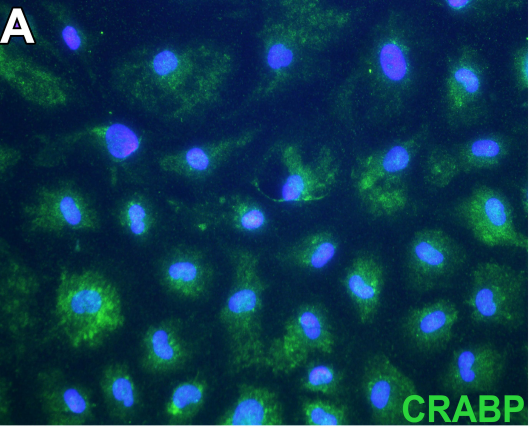
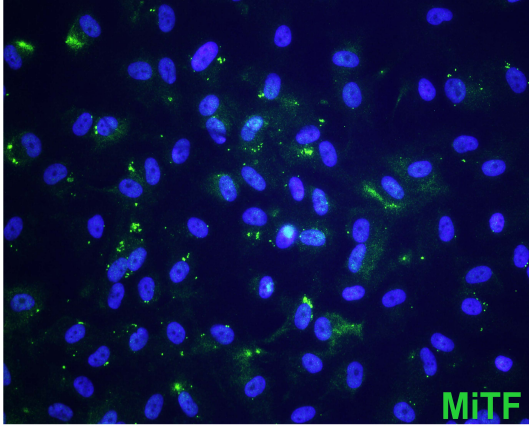
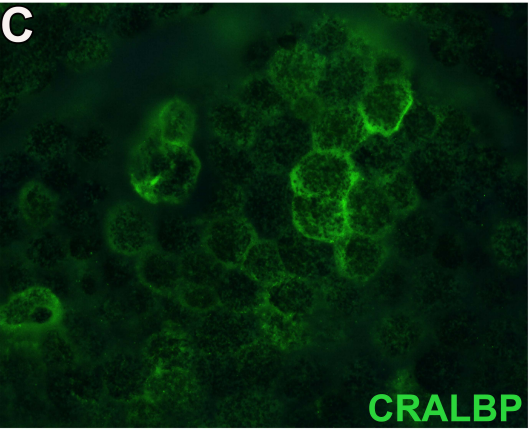
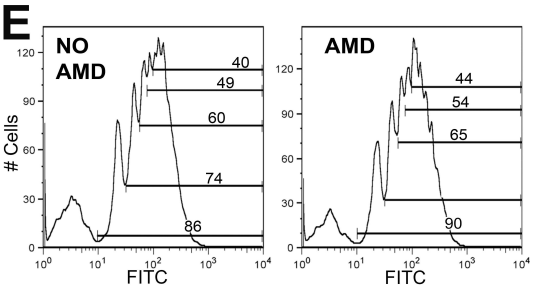
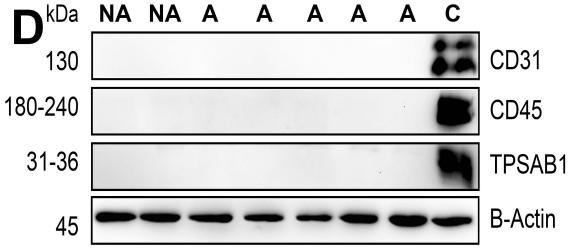
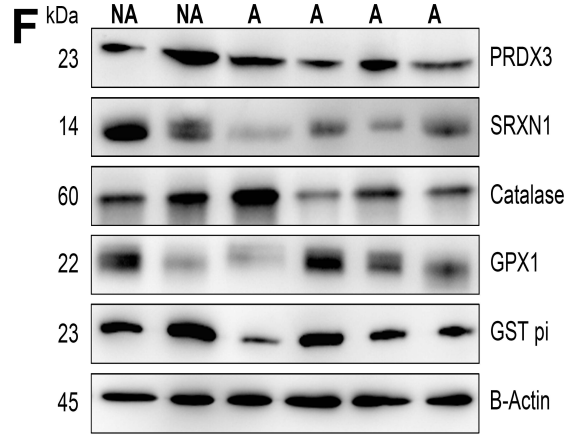

A
CRABP


B
MiTF


C
CRALBP


E
NO AMD
AMD
40
49
60
74
86
44
54
65
90
Cells
FITC
FITC


D
kDa
NA NA A A A A A C
130
180-240
31-36
45
CD31
CD45
TPSAB1
B-Actin


F
kDa
NA NA A A A A
23
14
60
22
23
45
PRDX3
SRXN1
Catalase
GPX1
GST pi
B-Actin

Supplement Figure 2. Characterization of primary RPE cultures. (A,B,C) Immunohistochemistry and fluorescent microcopy was used to detect the cytoplasmic expression of the cellular retinoic acid binding protein (CRABP) and cellular retinaldhyde-binding protein (CRALBP), and MITF. **(D)** Western immunoblot probing for potential culture contamination by endothelial, immune, and Mast cells using antibodies that recognize CD31, CD45 and tryptase α1 β1 (TPSAB1), respectively. Molecular mass (kDa) is shown on left. Lysates of HUVEC cells, Jurkat cells and choroid tissue from a human donor served as positive controls (denoted by 'C'). **(E)** FACs analysis determined the number of fluorescent beads taken up by RPE from healthy (No AMD) and AMD donors. Histograms indicate the percent of cells containing one to five beads**. (F)** Western blot for antioxidants. Results from densitometry quantification are shown in Fig. 5D.