Supplementary Information:

Figure Legends

Figure S1. Characterization of soluble SECTM1 over-expressing melanoma cell lines. Supernatants from phCMV3 and sSECTM1 over-expressing C8161 cells were concentrated 20-fold. Equal amounts of proteins from concentrated media (lower panel) and whole cell extracts (upper panel) were loaded and analyzed by Western Blot using the rabbit anti-human SECTM1 antibody. Vinculin was used as a loading control.

Figure S2. Expression of CD7 in melanocytes and melanoma cell lines. Cell lysates from melanocytes and melanoma cell lines were loaded and analyzed by Western Blot using a rabbit monoclonal anti-CD7 antibody. HSP90 was used as a loading control.

Figure S3. SECTM1 is induced by MG132. 1205Lu cells were stimulated with indicated dose (a) and times (b). Cell lysates were loaded and analyzed by Western Blot using the rabbit anti-SECTM1 antibody. HSP was used as a loading control.

Figure S4. SECTM1 is not expressed in normal skin tissues. Co-staining of SECTM1 (green) and a melanocyte marker HMB45 (red) in two normal human skin tissues. Data are representative of 6 normal skin tissues. Scale bar = 100 μm.

Figure S5. Expression of SECTM1 is accompanied by immune cell infiltration. Melanoma (a) and Breast Cancer tissues (b) were stained with anti-SECTM1 antibodies. Arrows indicate immune cell infiltrating areas. Scale bar = 50 μm.

Figure S1

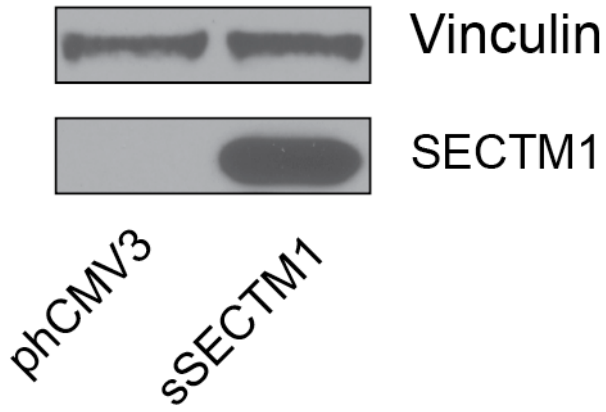


Figure S2

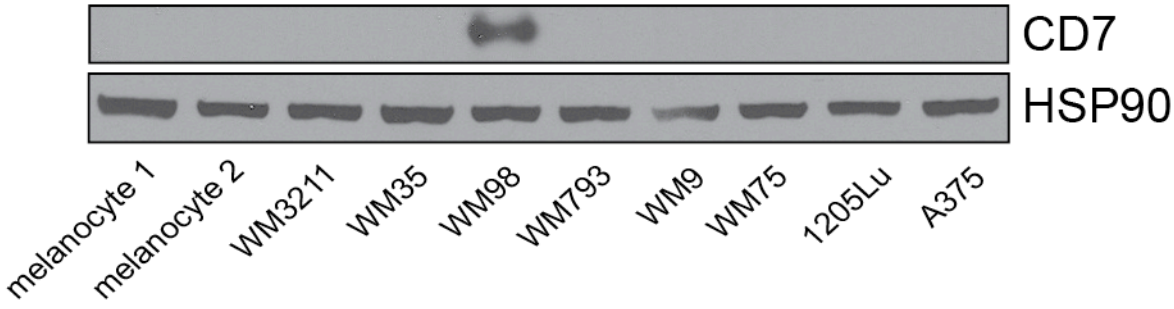


Figure S3

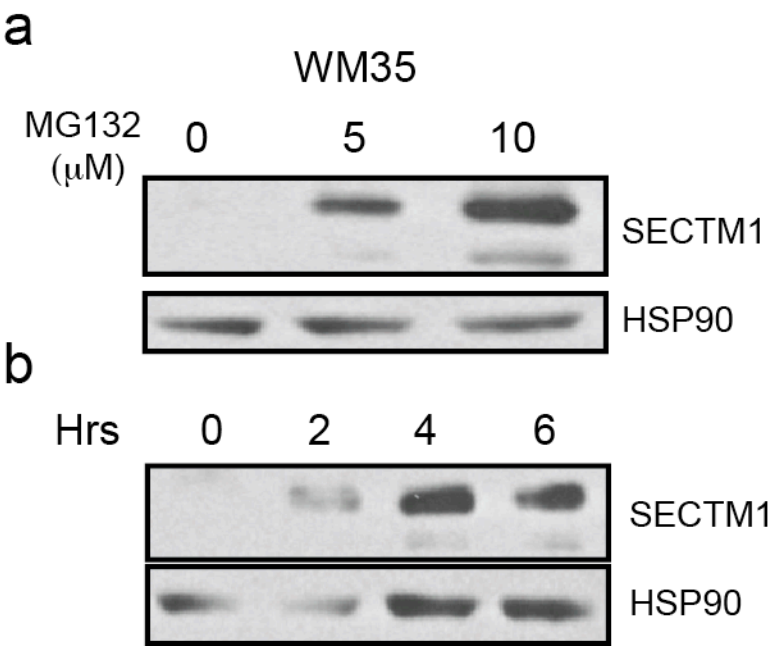


Figure S4

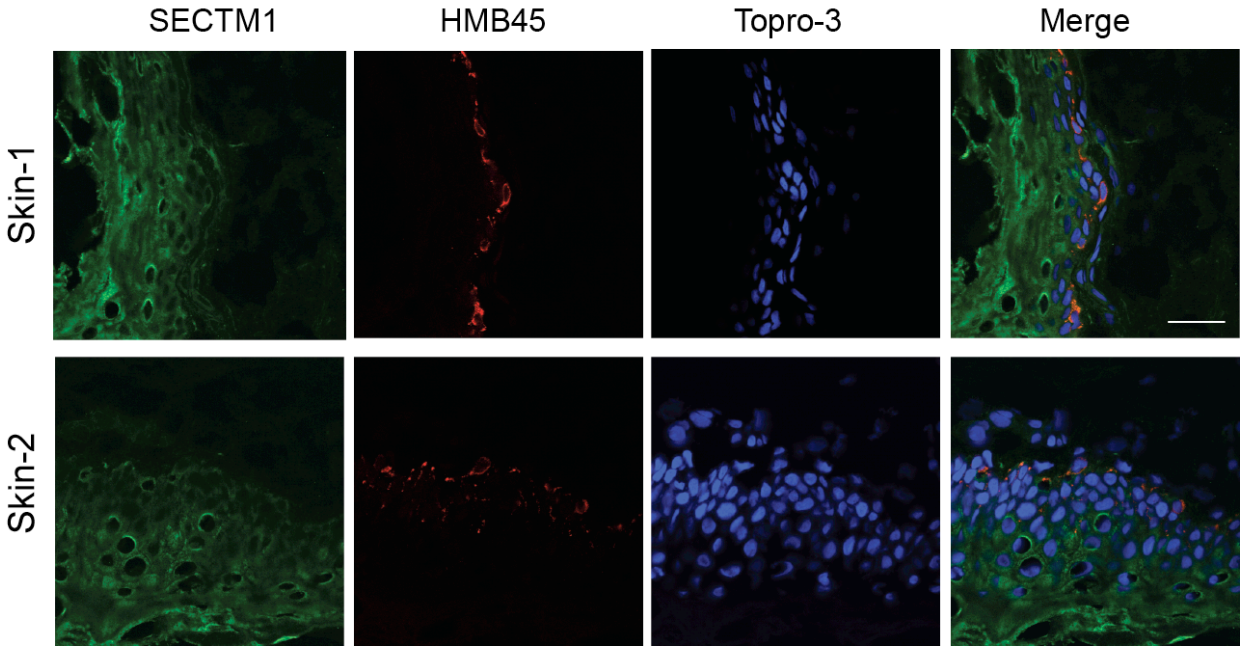
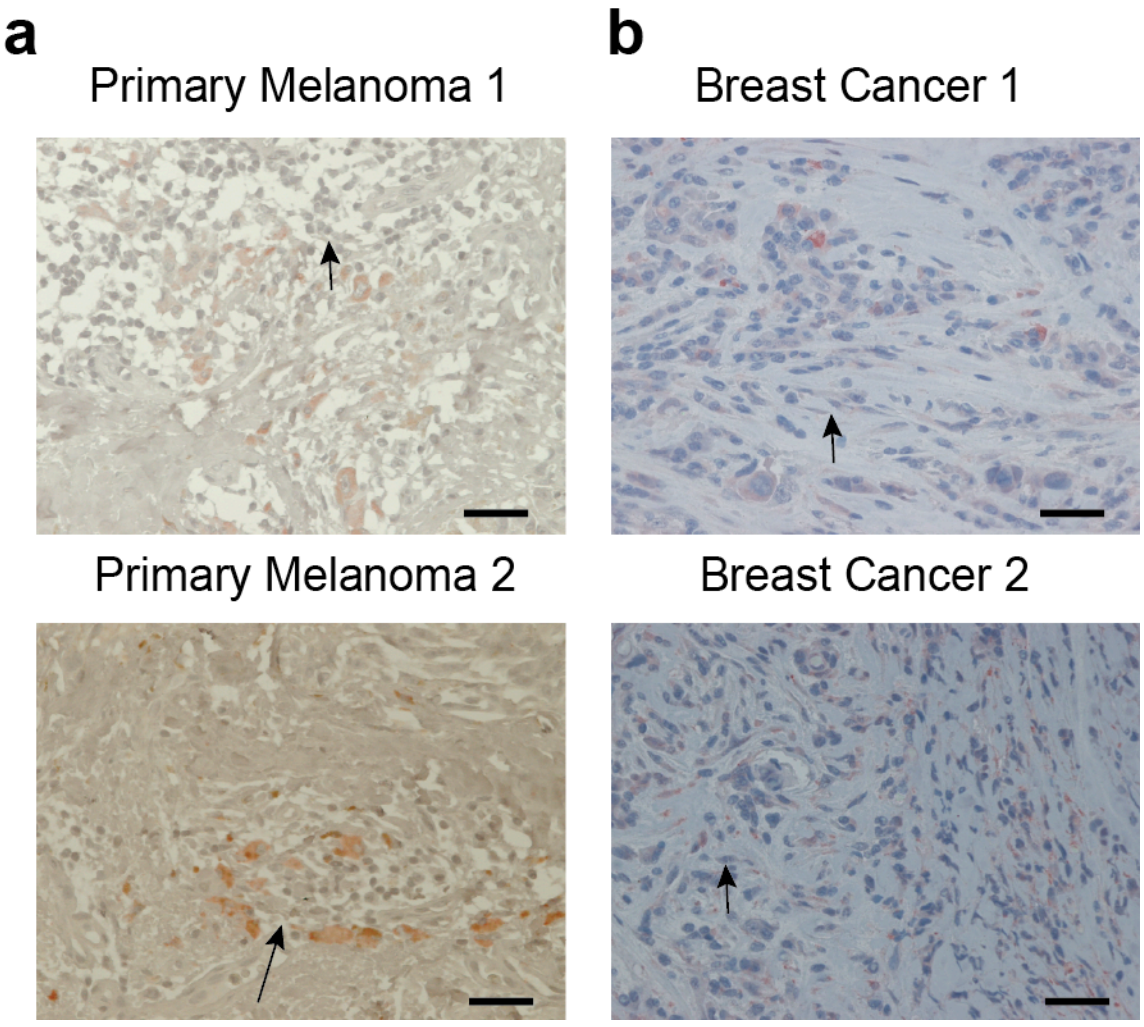


Figure S5


a
Primary Melanoma 1
b
Breast Cancer 1
Primary Melanoma 2
Breast Cancer 2