



**Red circles and arrows:**

Distal acinar tubules /acinar buds.  
SOX9 (green nuclei) - marker for distal acinar tubules.

**Yellow circles and arrows:**

Proximal acinar tubules – lack SOX9.  
Tend to be larger in diameter & have single layer of smooth muscle cells (ACTA2/white) adjacent to epithelium

SFTPC red punctate apical cytoplasmic staining found in both proximal & distal tubules.  
Expression greater in distal tubules than in proximal tubules.

ACTA2 staining is normally not found (or very weak) around the distal tubules.

No staining for SOX9 or SFTPC in the lateral or terminal bronchioles.