

Table 2: Useful Antibodies And Fluorescent Reagents For The Analysis of MCF-10A Mammary Acini.

Antibody or Stain	Purpose	Normal Subcellular Distribution In Acini	Source	Species (clone if monoclonal)	Fixation*
Active (cleaved) caspase 3	Apoptosis marker	Dying cells in luminal space	Cell Signaling	Rabbit	Formalin, PFA
Active (cleaved) caspase 9	Apoptosis marker	Dying cells in luminal space	Cell Signaling	Rabbit	Formalin, PFA
Alpha 6 integrin	Basolateral polarity	Strong basal with weaker lateral staining	Chemicon	Rat (GoH3)	Formalin, PFA, M/A
Alpha-tubulin	Cytoskeleton	Microtubule cytoskeleton	Sigma	Mouse (DM1)	-20 C Methanol only
Beta-Catenin	Cell-cell junctions	Lateral	BD	Mouse (14)	Formalin, PFA, M/A
Collagen IV; human specific	Basement membrane	Basal	DAKO	Mouse (CIV 22)	Formalin, PFA
DAPI	Nuclear counterstain	Nuclei (basally located)	Sigma	N/A	Formalin, PFA, M/A
Discs large (hDlg)	Basolateral polarity	Strong basal with weaker lateral staining	Santa Cruz	Mouse (1D11)	Formalin
E-cadherin	Cell-cell junctions,	Lateral	BD	Mouse (15)	Formalin, PFA
E-cadherin	Cell-cell junctions,	Lateral	Sigma	Mouse (DECMA)	Formalin, PFA
Ethidium bromide	Cell death marker	Selective stains dying cells in luminal space of <i>unfixed</i> cultures	Sigma	N/A	No fixation
GM130	Apical polarity	Golgi (apically located)	BD	Mouse (35)	Formalin, PFA
Laminin V;	Basement	Basal	Chemicon	Mouse (D4B5)	Formalin, PFA