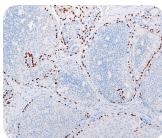


ab & Production Materials



Cell Marque[™] Tissue Diagnostics p63 (EP174) and p40 (ZR8)







Images (top to bottom)

- 1. p63 on benign prostate glands
- 2. p63 on breast ductal carcinoma in situ
- 3. p40 on lung squamous cell carcinoma

p63 (also known as TAp63 or "full length" p63) is a transcription factor located at chromosome 3q27-29 and belongs to the p53 gene family.¹ Unlike p53, p63 is not a tumor suppressor gene but rather a tissue differentiation gene. p63 theoretically regulates epithelial organ development² as well as human keratinocyte proliferation.³

p40 (also known as deltaNp63) is a truncated, nontransactivating isoform of p63 that is highly specific for squamous epithelium.

p63 expression is generally isolated to squamous epithelium, basal cells of urothelium, basal cells of prostate epithelium, and myoepithelial cells in glandular tissue.¹ This nuclear expression makes p63 immunohistochemistry a valuable tool in various applications, including (but not limited to):

- 1. Invasive vs. in situ breast carcinoma or salivary gland carcinoma⁴
- Confirmation of prostate adenocarcinoma⁵
- 3. Squamous cell carcinoma vs. adenocarcinoma6
- 4. Cutaneous adnexal tumors vs. metastatic adenocarcinomas to the skin⁷

p40 has a higher specificity for lung squamous cell carcinomas than p63, therefore nuclear expression of p40 is a valuable tool for subclassifying lung tumors into squamous vs. non-squamous carcinomas.8,9

Benefits of rabbit monoclonal p63 (EP174) and p40 (ZR8):

- For in vitro diagnostic use
- Labeling myoepithelial cells in breast (to determine invasive vs in situ carcinoma) and in prostate (to determine malignancy) by p63
- Differentiating lung squamous carcinoma from lung adenocarcinoma by p40
- Nuclear visualization
- Rabbit monoclonal technology for robust staining and minimal background
- Compatible with standard automation and detection used in diagnostic IHC

Intended Use

These products herein are intended for laboratory use in the detection of their respective proteins in formalin-fixed, paraffin-embedded tissue stained in qualitative immunohistochemistry (IHC) testing. These products are not a stand-alone diagnostic, and cannot be used for diagnosis,

treatment, prevention, or mitigation of disease

Ordering Information

Description	p63 (EP174) Cat. No.	p40 (ZR8) Cat. No.
0.1 mL concentrate	482R-14	483R-14
0.5 mL concentrate	482R-15	483R-15
1.0 mL concentrate	482R-16	483R-16
1.0 mL predilute	482R-17	483R-17
7.0 mL predilute	482R-18	483R-18
25 mL predilute	482R-10	483R-10

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