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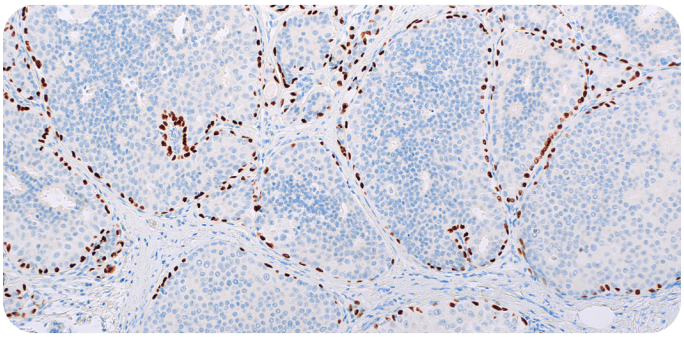
Cell Marque™ Tissue Diagnostics

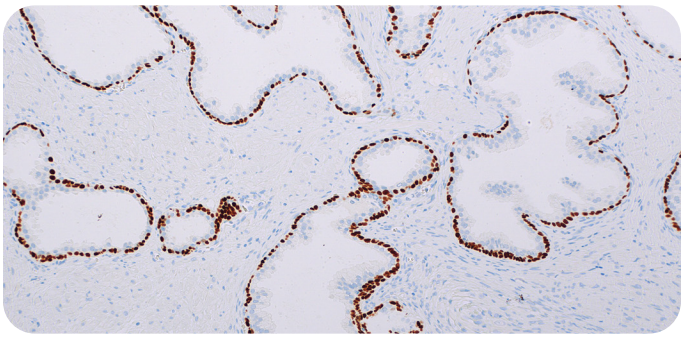
p63 (EP174)

Rabbit Monoclonal Primary Antibody

p63 is a transcription factor that regulates many cell activities, including cell proliferation, maintenance, differentiation, adhesion, and apoptosis.[1] It has been found to be a sensitive and specific marker of myoepithelial and basal cell populations in prostate, breast, skin, and salivary gland. Additionally, p63 has also demonstrated immunohistochemical utility in identifying benign and malignant breast lesions.[2] In prostatic carcinomas, it can also be used to recognize benign glands adjacent to malignant glands.[3] p63 can also be used to differentiate adenocarcinoma of the lungs, where it is usually negative, from squamous cell carcinoma, which can be useful for advanced stages of the carcinoma where surgery is no longer an option.[4]



Breast ductal carcinoma *in situ*



Benign prostatic hyperplasia

Lung squamous cell carcinoma

Ordering Information

Description	Cat No.
0.1 mL concentrate	**482R-14**
0.5 mL concentrate	**482R-15**
1.0 mL concentrate	**482R-16**
1.0 mL predilute	**482R-17**
7.0 mL predilute	**482R-18**
25 mL predilute	**482R-10**

Intended Use:

The product herein is intended for laboratory use in the detection of p63 in formalin-fixed, paraffin-embedded tissue stained in qualitative immunohistochemistry (IHC) testing. This product is not a stand-alone diagnostic, and cannot be used for diagnosis, treatment, prevention, or mitigation of disease.

Product Information:

Visualization: Nuclear
Controls: Lung squamous cell carcinoma, prostate
Dilution Range: 1:100-1:200
Associated Specialty: Genitourinary (GU) Pathology

References:

1. Yang, A et al. "p63, a p53 homolog at 3q27-29, encodes multiple products with transactivating, death-inducing, and dominant-negative activities." Molecular cell vol. 2,3 (1998): 305-16. doi:10.1016/s1097-2765(00)80275-0
2. Stefanou, D et al. "p63 expression in benign and malignant breast lesions." Histology and histopathology vol. 19,2 (2004): 465-71. doi:10.14670/HH-19.465
3. Jiang, Zhong et al. "Using an AMACR (P504S)/34betaE12/p63 cocktail for the detection of small focal prostate carcinoma in needle biopsy specimens." American journal of clinical pathology vol. 123,2 (2005): 231-6. doi:10.1309/1g1nk9dbgfnb792l
4. Camilo, Ricardo et al. "Expression of p63, keratin 5/6, keratin 7, and surfactant-A in non-small cell lung carcinomas." Human pathology vol. 37,5 (2006): 542-6. doi:10.1016/j.humpath.2005.12.019

USA
Toll Free: **800.665.7284**
Phone: **916.746.8900**
Fax: **916.746.8989**
Email: **service@cellmarque.com**
www.cellmarque.com

CANADA
Phone: **+1 916.746.8900**
Fax: **+1 916.746.8989**
Email: **international@cellmarque.com**
www.cellmarque.com

MilliporeSigma
400 Summit Drive
Burlington, MA 01803

SigmaAldrich.com

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