

p63 (Clone ZM70)

Mouse Monoclonal Antibody

Specificity: Human, mouse, and rat. Others-not known.

Immunogen: Recombinant full-length human p63 protein

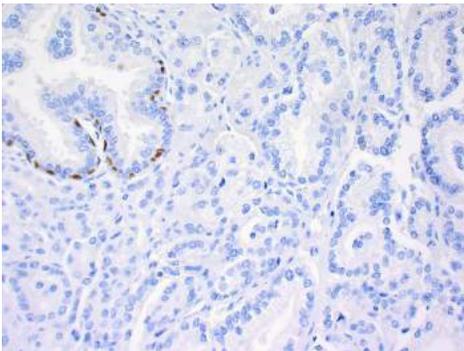
Ig Class: IgG2b/ κ

Storage: Store at 2-8°C for up to 2 years for concentrate form and 1 year for predilute form

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200. *Positive control:* Skin, prostate, *Localization:* Nuclear. *Intend use:* In vitro diagnosis (IVD) (outside USA).

Description: p63 is a homolog of the tumor suppressor p53. It is identified in basal cells in the epithelial layers of a variety of tissues, including epidermis, cervix, urothelium, breast and prostate. p63 was detected in nuclei of the basal epithelium in normal prostate glands; however, it was not expressed in malignant tumors of the prostate. As a result, p63 has been reported as a useful marker for differentiating benign from malignant lesions in the prostate, particularly when used in combination with markers of high molecular weight cytokeratins and the prostate-specific marker AMACR (P504S). p63 has also been shown to be a sensitive marker for lung squamous cell carcinomas (SqCC), with a sensitivity of ~90%. Specificity for lung SqCC, vs. lung adenocarcinoma (LADC), is approximately 80%. In breast tissue, p63 has been identified in myoepithelial cells of normal ducts.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



References:

1. Terry J, et al. *Am J Surg Pathol.* 2010; 34:1805-11.
2. Signoretti S, et al. *Am J Pathol.* 2000; 157:1769-75.

Formalin-Fixed, paraffin-embedded human prostate carcinoma stained with anti-p63 using peroxidase-conjugate and DAB chromogen. Note nuclear staining of basal cells in benign glands whereas carcinoma glands are negative

Cat. # Z2380

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