p63 (4A4)
Mouse Monoclonal Antibody

Host: Mouse
Specificity: Human
Immunogen: Recombinant fragment corresponding to Human p63 aa 1-205
Ig Class: IgG2a /κ
Storage: Store at 2-8ºC for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: p63 (4A4) Mouse Monoclonal primary antibody detects p63 protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.
Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain p63 protein.
Localization: Nuclear.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

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 in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

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.

[REF] **Z2003ML-R/ Z2003MS-R/ Z2003MT-R/ Z2003MP-R (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)**