

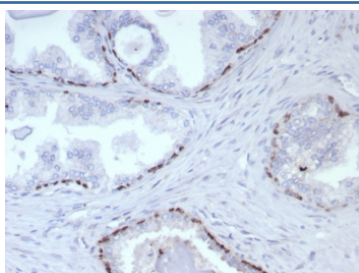
## p63 Antibody / Tumor protein 63 / TP63 [clone rP40/8765] (V5026)

Catalog No.	Formulation	Size
V5026-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5026-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5026SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

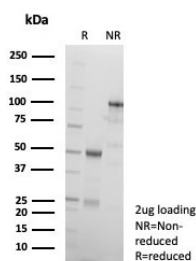
Recombinant **MOUSE MONOCLONAL**

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Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rP40/8765
Purity	Protein A affinity
UniProt	Q9H3D4
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This p63 antibody is available for research use only.



IHC staining of FFPE human prostate cancer tissue with p63 antibody (clone rP40/8765). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free p63 antibody (clone rP40/8765) as confirmation of integrity and purity.

## 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.

## Application Notes

Optimal dilution of the p63 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 1-200) from the human protein was used as the immunogen for the p63 antibody.

## Storage

Aliquot the p63 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.