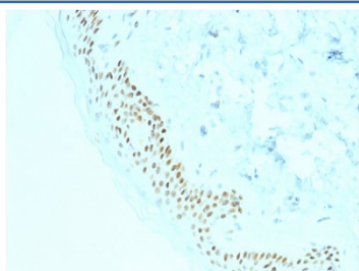


## p63 Antibody [clone TP63/2428] (V3948)

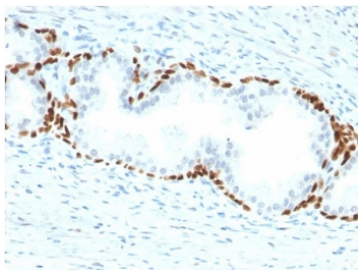
Catalog No.	Formulation	Size
V3948-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3948-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3948SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	TP63/2428
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q9H3D4
<b>Localization</b>	Nuclear
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Flow Cytometry : 1-2ug/million cells
<b>Limitations</b>	This p63 antibody is available for research use only.



IHC testing of FFPE human basal cell carcinoma with p63 antibody (clone TP63/2428).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

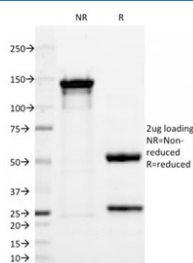


IHC testing of FFPE human prostate carcinoma with p63 antibody (clone TP63/2428).  
 HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.

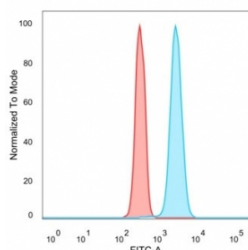
Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using p63 antibody (clone TP63/2428). These results demonstrate the foremost specificity of the TP63/2428 mAb. <BR>Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD&#39;s) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD&#39;s) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free p63 antibody (clone TP63/2428) as confirmation of integrity and purity.



Flow cytometry testing of PFA-fixed human HeLa cells with p63 antibody (clone TP63/2428); Red=isotype control, Blue= p63 antibody.

## 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

Full length human recombinant protein was used as the immunogen for the p63 antibody.

## Storage

Store the p63 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).