



Datasheet for ABIN6940967

anti-p63 antibody



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4 Images

Overview

Quantity:	100 µg
Target:	p63 (TP63)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p63 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human p63 protein
Clone:	TP63-2428
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	p63 (TP63)
Alternative Name:	TP63 (TP63 Products)
Background:	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

Target Details

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.

Molecular Weight: 63kDa

Gene ID: 8626

UniProt: [Q9H3D4](#)

Application Details

Application Notes: Positive Control: HEK293 cells. Prostate Carcinoma or Lung or bladder squamous cell carcinoma.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

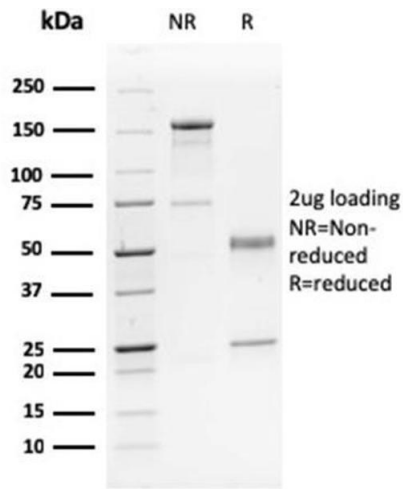
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

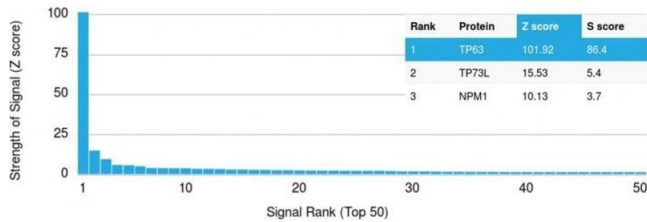
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



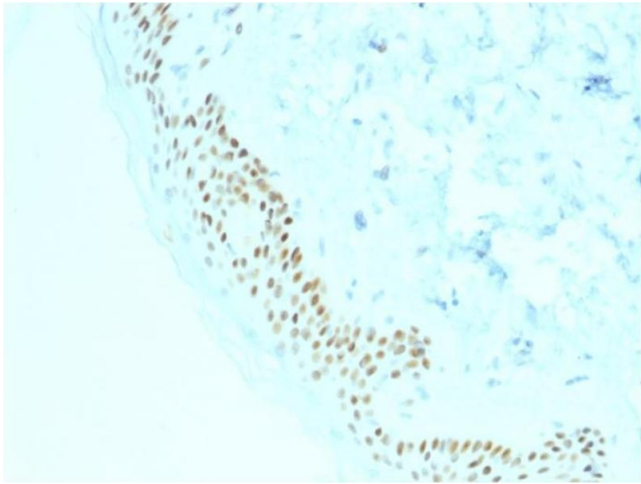
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified p63 Mouse Monoclonal Antibody (TP63/2428). Confirmation of Integrity and Purity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using p63 Mouse Monoclonal Antibody (TP63/2428). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SDs) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SDs) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with p63 Mouse Monoclonal Antibody (TP63/2428).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940967.