

Datasheet for ABIN6940965
anti-p63 antibody (AA 3-106)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	p63 (TP63)
Binding Specificity:	AA 3-106
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p63 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant fragment (around aa 3-106) of human p63 protein (exact sequence is proprietary)
Clone:	TP63-1786
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

Target Details

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.

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: ELISA (For coating, order Ab without BSA), Western Blot (1-2 µg/mL),
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.

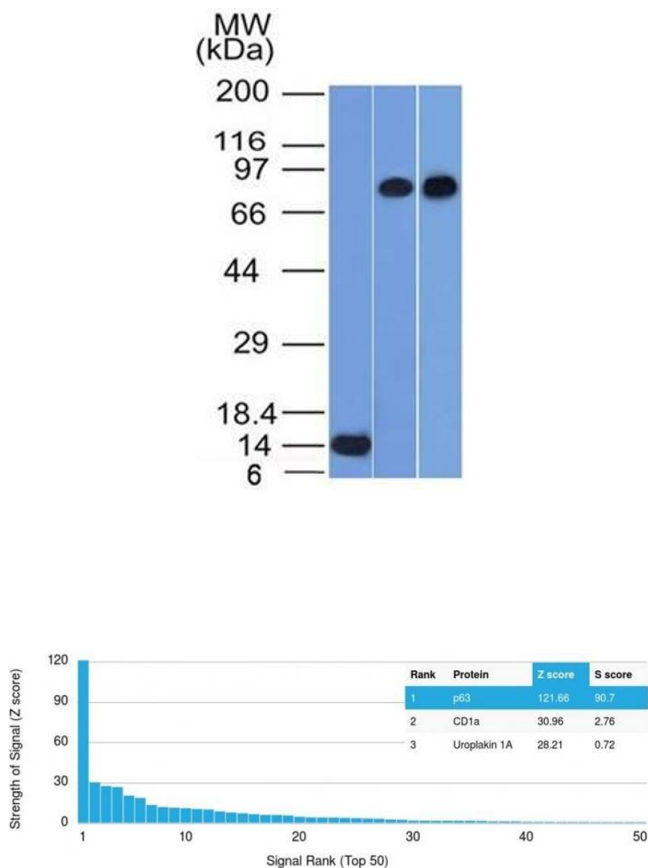
Preservative: Sodium azide

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

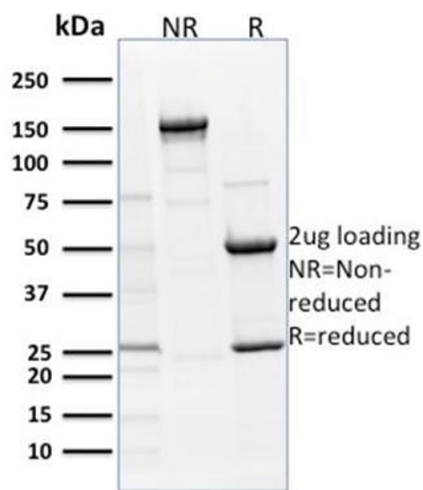


Western Blotting

Image 1. Western Blot of Recombinant, PC3 and HeLa cell lysates using p63 Mouse Monoclonal Antibody (TP63/1786).

Protein Array

Image 2. Analysis of Protein Array containing >19,000 full-length human proteins using p63 Mouse Monoclonal Antibody (TP63/1786) 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 (SD's) 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 SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to 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.



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified p63 Mouse Monoclonal Antibody (TP63/1786). Confirmation of Purity and Integrity of Antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940965.