

Datasheet for ABIN6940964

anti-p63 antibody

3 Images

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Overview

Quantity:	100 µg
Target:	p63 (TP63)
Reactivity:	Human, Mouse
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:	TP63-11
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	p63 (TP63)
Alternative Name:	TP63 (TP63 Products)
Background:	<p>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</p>

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
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Gene ID:	8626
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UniProt:	Q9H3D4
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Application Details

Application Notes:	Positive Control: HEK293 cells. Prostate Carcinoma or Lung or bladder squamous cell carcinoma. Known Application: Immunohistochemistry (Formalin-fixed) (0.25-0.5 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.
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Restrictions:	For Research Use only
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Handling

Concentration:	200 µg/mL
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Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
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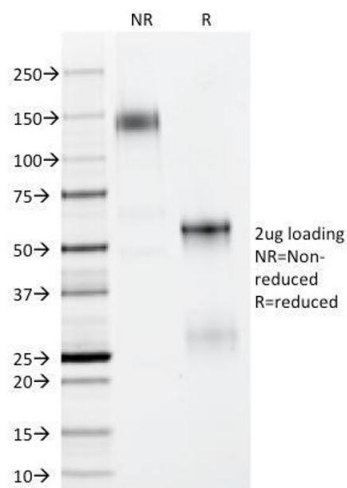
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-80 °C
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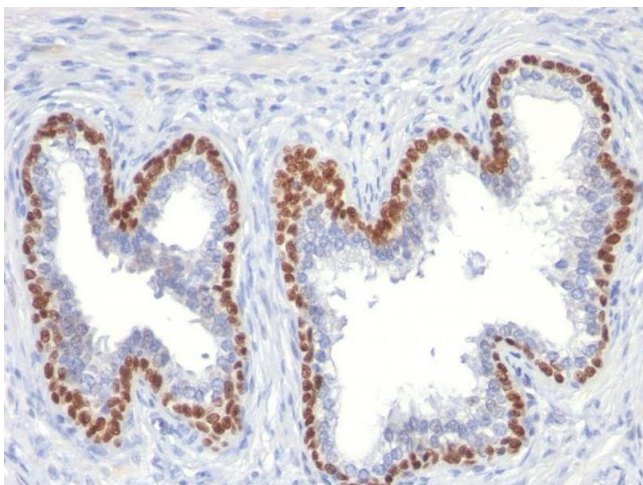
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
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Expiry Date:	24 months
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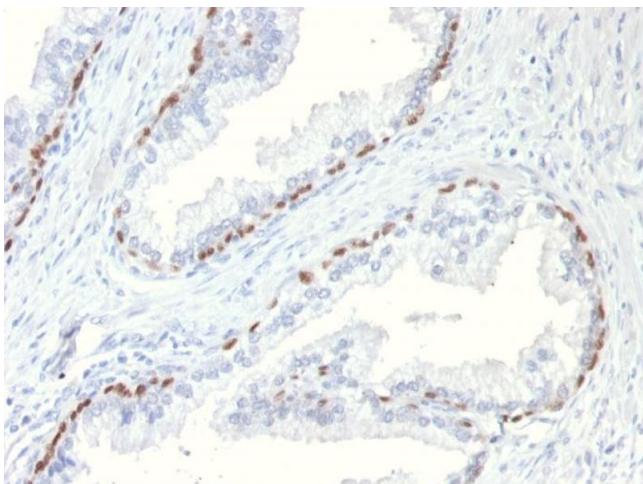
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified p63 Mouse Monoclonal Antibody (TP63/11). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Cancer stained with p63 Mouse Monoclonal Antibody (TP63/11).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded Mouse Prostate stained with p63 Mouse Monoclonal Antibody (TP63/11).