

Datasheet for ABIN6940969
anti-p63 antibody (AA 5-17)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	p63 (TP63)
Binding Specificity:	AA 5-17
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This p63 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	A synthetic peptide (ENNAQTQFSEPQY) corresponding to aa5-17 of human p40
Isotype:	IgG

Target Details

Target:	p63 (TP63)
Alternative Name:	TP63 (TP63 Products)
Background:	<p>P40 (p63 delta) is a marker recently determined to be highly specific for squamous basal cells in the immunohistochemistry (IHC) application. The current more routinely recommended marker, p63, appears to have less specificity compared to p40, especially on squamous cell tumors. The ability to differentiate between lung adenocarcinoma vs. squamous cell carcinoma is difficult and has bearing on the different therapeutic avenues for each subtype treatment.</p>

Target Details

p63 antibody's ability to distinguish between the tumor types appears to be inferior when compared to p40. The ability to utilize an antibody probe for p40 as a squamous cell marker bolsters its use for future sub-classification of lung cancers, especially by immunohistochemical techniques.

Molecular Weight: 40kDa

Gene ID: 8626

UniProt: [Q9H3D4](#)

Application Details

Application Notes: Positive Control: HEK293 cells. Prostate Carcinoma or Lung Squamous Cell Carcinoma.
Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 1 mM EDTA, pH 9.0, 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.

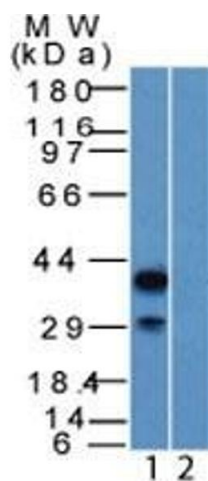
Preservative: Sodium azide

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

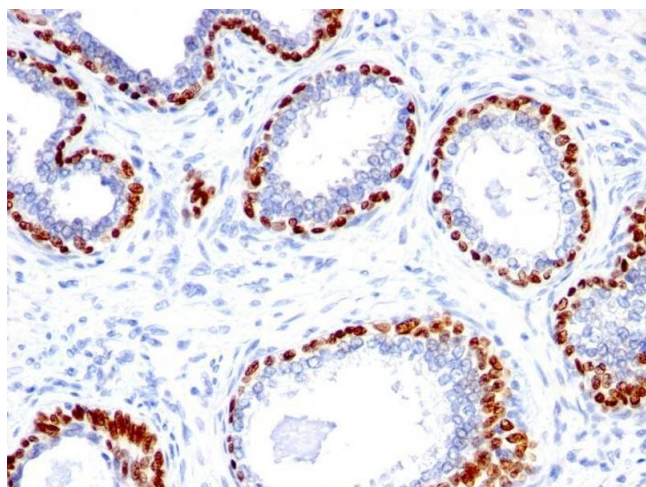
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



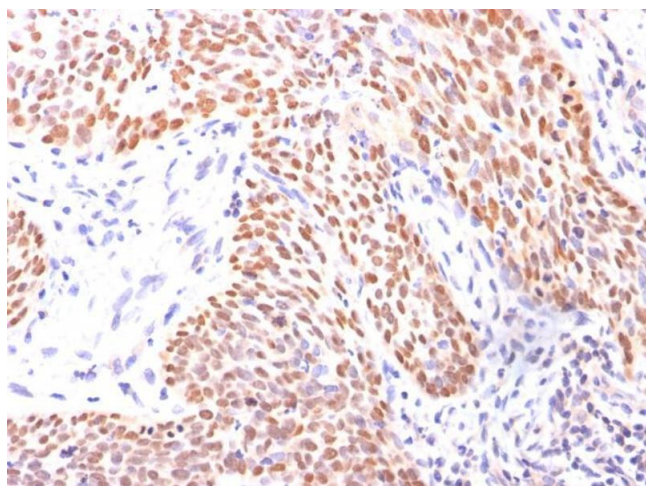
Western Blotting

Image 1. Western Blot of HEK293 lysate (1) Absence and (2) Presence of immunizing peptide p40 Rabbit PAb.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with p40 Rabbit Polyclonal Antibody.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded Lung Squamous Cell Carcinoma stained with p40 Rabbit Polyclonal Antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940969.