

## p63 (PANp63-6.1)

Catalogue No.	Pack Size
8011-1-20	20 µg
8011-1-100	100 µg

### Product Description

p63 is a tumor-suppressor gene from the p53 family involved in epithelial stem cell maintenance of the skin and mammary glands. The p63 protein has two main isoforms with varied functions, one lacks (ΔNp63) and the other retains the transactivation domain (TAp63).

ΔNp63 is commonly studied, but TAp63 has been shown to be crucial for skin cell maintenance and is implicated in breast cancer. Recent research suggests TAp63 suppresses tumor progression by regulating microRNA biogenesis and interacting with integrins and growth factors. The Hippo pathway also influences breast cancer and interacts with p63 isoforms, affecting cell polarity and stem cell properties. Understanding these interactions is vital for diagnosing and treating breast cancer effectively.

This antibody recognizes both TAp63 and ΔNp63. The target epitope PSHLIR is located within amino acids 261-266 of TAp63, and 167-172 of ΔNp63.

#### References:

Su X, et al. *Oncogene*. 2017;36(17):2377-2393.

Nekulova, Marta et al. *Virchows Archiv : an international journal of pathology* vol. 463,3 (2013): 415-25.

### Product Characteristics

Characteristic	Information
Host species	Mouse
Type	Monoclonal
Isotype	IgG1
Clone name	PANp63-6.1
Immunogen	Recombinant full length human p63
Species specificity	Mouse, Rat, Human
Target Mw (kDa)	77

Supplied at 1mg/mL in 1x PBS with 0.01% sodium azide. Suitable for short term (2 – 3 months) storage at 4°C. Aliquot for long storage at -20°C. Avoid multiple freeze-thawing.

### Product Application

PANp63-6.1 has been tested to work for the following applications:

- Western Blotting (WB)
- Immunoprecipitation (IP)
- Immunohistochemistry (IHC)

Not tested for other applications.

Our recommended starting dilutions are:

1 µg/mL for WB and 2.5 µg/test for IP. For IHC, the user will need to determine the optimal dilution.

### Technical support

If you are experiencing difficulties with using the reagent, please contact our team with relevant information at [infoab@abasiabiolabs.com](mailto:infoab@abasiabiolabs.com)