



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## p40 Protein, Delta-Np63 (ZR8)

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[nordicmubio.com/product/p40-protein-delta-np63-zr8-2](http://nordicmubio.com/product/p40-protein-delta-np63-zr8-2)

Catalogue number: **PP040-1.0**

Clone	ZR8
Isotype	IgG
Product Type	Primary Antibodies
Units	1 ml
Host	Rabbit
Application	Immunohistochemistry (paraffin)

### Background

The p40 (clone ZR8) antibody recognizes exclusively DNp63 but not TAp63. p40 is a squamous cell carcinoma 'specific' antibody. It reacts with the vast majority of cases of squamous cell carcinomas of various origins, but not with adenocarcinomas. It is particularly useful in differentiating lung squamous cell carcinoma from lung adenocarcinoma. p40 antibody can also be used as an alternative basal cell/myoepithelial cell marker, which has similar sensitivity and specificity as that of p63 antibody. Therefore, p40 antibody may also be used as an alternative immunohistochemical marker for determining prostate adenocarcinoma vs. benign prostate glands and for determining breast intraductal carcinoma vs. invasive breast ductal carcinoma. p63 consists of two major isoforms-TAp63 and Delta-Np63. These isoforms differ in the structure of the N-terminal domains. The TAp63 isoform (identified by anti-p63 antibody) contains a transactivation-competent 'TA' domain with homology to p53, which regulates the expression of the growth-inhibitory genes. In contrast, Delta-Np63 isoform (identified by anti-p40 antibody) contains an alternative transcriptionally-inactive 'Delta-N' domain, which antagonizes the activity of TAp63 and p53. Human p40 protein, delta-Np63.

### Source

*Immunogen:* Synthetic polypeptides from N-terminal domain of p63

### Product

Affinity purified antibody in PBS, BSA, sodium azide (0.05%)\*\* . Use antibody dilution

buffer (e.g. Art. No. PU002) containing sufficient protein and preservative.

*Purification Method:* Affinity purified antibody in PBS, BSA, sodium azide (0.05%)\*\*. Use antibody dilution buffer (e.g. Art. No. PU002) containing sufficient protein and preservative.

## **Specificity**

*Species Reactivity:* Human

## **Applications**

IHC(P)

*Incubation Time:* 60 min at RT

*Working Concentration:* (liquid conc.) 1:50-1:100

*Pre-Treatment:* Pre-treatment of formaldehyde-fixed tissue with Tris-buffered EDTA solution pH 9 (Art.-No. DE006) or Unmasking Fluid G (Art.-No. DE007) 40 min at 100°C

*Positive Control:* Squamous Cell Carcinoma, Prostate, Skin

## **Storage**

2-8°C

## **Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.

## **References**

1. Guojun Wu, Shuji Nomoto, Mohammad Obaidul Hoque et al. (2003) p40 and TAp63 Regulate Transcription of Genes with Distinct Biological Functions in Cancer and Development *Cancer Res* May 15, 2003 63; 2351
2. Justin A Bishop, Julie Teruya-Feldstein, William H Westra, Giuseppe Pelosi, William D Travis and Natasha Rekhtman (2011) p40 (p40) is superior to p63 for the diagnosis of pulmonary squamous cell carcinoma. *Modern Pathology* (2012) 25, 405–415; doi:10.1038
3. Verena Sailer, Carsten Stephan, Nicolas Wernert, Sven Perner, Klaus Jung, Manfred Dietel, Glen Kristiansen (2013) Comparison of p40 (p40) and p63 expression in prostate tissues – which one is the superior diagnostic marker for basal cells? *Histopathology* Volume 63, Issue 1, pages 50–56

**Safety Datasheet(s) for this product:**

NM\_Sodium Azide

[/wp-content/uploads/SDS/Antibody SDS with Sodium Azide Noridic-MUbio.pdf](#)