



# 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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## PAP, Prostate Acid Phosphatase (PSAP)

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[nordicmubio.com/products/pap-prostate-acid-phosphatase-psap/PA101](http://nordicmubio.com/products/pap-prostate-acid-phosphatase-psap/PA101)

Catalog number: **PA101**

Clone	PASE/4LJ
Isotype	IgG1
Units	1 ml
Host	Mouse
Application	Immunohistochemistry (paraffin)

### Background

The antibody against PAP may be used for the immunohistochemical detection of PAP in normal and diseased prostate and in metastases thereof. Because of the limited specificity of the enzyme, the antibody should only be used in parallel with specific antibodies like PSA (Art. No. PS100 and PS500), P504S, P501S, ERG and other cancer-specific markers. Prostata Saure Phosphatase, PAP (E.C.3.1.3.2) ist ein Isoenzym der Sauren Phosphatase und wird in großen Mengen in Prostataepithel und in Samenflüssigkeit gefunden. Es ist ein homodimeres Protein aus zwei ca. 50 kDa Untereinheiten. Außer in der Prostata wird PAP auch anderen Geweben, wie in Pankreas, Colon, Blase, Lunge und in der Niere sowie in Karzinomen der Brust, Ovar und Colon gebildet, allerdings in deutlich geringeren Mengen (3). Human PAP, 48 kDa subunit, no cross reactivity with PSA.

### Source

*Immunogen:* Purified human Prostate Acid Phosphatase from seminal plasma

### Product

Purified antibody in PBS containing BSA and 15mM NaN<sub>3</sub>

*Purification Method:* Purified antibody in PBS containing BSA and 15mM NaN<sub>3</sub>

*Secondary Reagents:* We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art.-No. AE005).

### Specificity

*Species Reactivity:* Human

## **Applications**

IHC (P)

*Incubation Time:* 60 min at RT

*Working Concentration:* (liquid conc.) 1:25-1:50

*Pre-Treatment:* HIER (heat induced epitope retrieval)

*Positive Control:* Prostate carcinoma

## **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 Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.

## **References**

1. Sharief FS, Lee H, Leuderman MM, Lundwall A, Deaven LL, Lee CL, Li SS (1989) Human prostatic acid phosphatase: cDNA cloning, gene mapping and protein sequence homology with lysosomal acid phosphatase. *Biochem Biophys Res Commun.* Apr 14;160(1):79-86.
2. Veeramani S, Yuan TC, Chen SJ, Lin FF, Petersen JE, Shaheduzzaman S, Srivastava S, MacDonald RG, Lin MF (2005) Cellular prostatic acid phosphatase: a protein tyrosine phosphatase involved in androgen-independent proliferation of prostate cancer. *Endocr Relat Cancer.* Dec;12(4):805-22.
3. Graddis TJ, McMahan CJ, Tamman J, Page KJ, Trager JB (2011) Prostatic acid phosphatase expression in human tissues. *Int J Clin Exp Pathol.* Mar;4(3):295-306. Epub 2011 Mar 22.
4. Queisser A., Hagedorn S.A., Braun M., Vogel W., Duensing S., Perner S. (2015) Comparison of different prostatic markers in lymph node and distant metastases of prostate cancer. *ModernPathology* 28, 138–145.

## **Protein Reference(s)**

*Database Name:* UniProt

*Accession Number:* P15309 (PPAP\_HUMAN)

*Species Accession:* Human

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

[NM\\_Sodium Azide](#)

