



P501S, Prostein Clone ZR9 (Rabbit)

- Prostate-specific Marker
- More sensitive and specific than PSA
- ISUP recommendations:
**GATA3 for urothelial carcinoma,
P501S + Nkx3.1 for prostate cancer
(Ref.1,2)**

Carcinoma	HMW Keratin 334M-8	p63 Z2003L	ΔNp63 (p40) RP163-05	Thrombo-modulin 339M-1	GATA3 390M-1	PSA 324M-1	P501S Z2006	PSMA AC-160	Nkx3.1 E14104
Prostate	-	-/+	-	-	-	+	+	+	+
Urothel	+	+	+	+/-	+/-	-	-	-	-

References P501S (Prostein) and other prostate markers:

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2. Epstein JI, et al.; **Members of the ISUP Immunohistochemistry in Diagnostic Urologic Pathology Group. Best practices recommendations in the application of immunohistochemistry in the prostate: report from the International Society of Urologic Pathology consensus conference.** *Am J Surg Pathol* 2014; 38: e6-e19.
3. Netto GJ, Epstein JI. **Immunohistology of the prostate (Chapter 16).** In: *Diagnostic Immunohistochemistry: Theranostic and Genomic Applications* (4th Ed.), Dabbs DJ, Elsevier 2014, p. 584-614.
4. Bhargava R, Dabbs DJ. **Immunohistology of metastatic carcinoma of unknown primary site (Chapter 8).** In: *Diagnostic Immunohistochemistry : Theranostic and Genomic Applications* (4th Ed.), Dabbs DJ, Elsevier 2014, p. 204-244.
5. Brimo F, Epstein JI. **Immunohistochemical pitfalls in prostate pathology.** *Hum Pathol* 2012; 43: 313-324.
6. Paner GP, et al. **Best practice in diagnostic immunohistochemistry: prostate carcinoma and its mimics in needle core biopsies.** *Arch Pathol Lab Med* 2008; 132: 1388-1396.
7. Mohanty SK, et al. **Evaluation of contemporary prostate and urothelial lineage biomarkers in a consecutive cohort of poorly differentiated bladder neck carcinomas.** *Am J Clin Pathol* 2014; 142: 173-183.
8. Gordetsky J, Epstein JI. **Pseudopapillary features in prostatic adenocarcinoma mimicking urothelial carcinoma: a diagnostic pitfall.** *Am J Surg Pathol* 2014; 38: 941-945
9. Srinivasan M, Parwani AV. **Diagnostic utility of p63/P501S double sequential immunohistochemical-staining in differentiating urothelial carcinoma from prostate carcinoma.** *Diagn Pathol* 2011; 6: 67.
10. Wang W, Epstein JI. **Small cell carcinoma of the prostate. A morphologic and immunohistochemical study of 95 cases.** *Am J Surg Pathol* 2008; 32: 65-71.
11. Sheridan T, et al. **The role of P501S and PSA in the diagnosis of metastatic adenocarcinoma of the prostate.** *Am J Surg Pathol* 2007; 31: 1351-1355.
12. Yin M, et al. **Diagnostic utility of p501s (prostein) in comparison to prostate specific antigen (PSA) for the detection of metastatic prostatic adenocarcinoma.** *Diagn Pathol* 2007; 2: 41.
13. Chuang AY, et al. **Immunohistochemical differentiation of high-grade prostate carcinoma from urothelial carcinoma.** *Am J Surg Pathol* 2007; 31: 1246-1255.

14. Owens CL, et al. **Distinguishing prostatic from colorectal adenocarcinoma on biopsy samples: the role of morphology and immunohistochemistry.** *Arch Pathol Lab Med* 2007; 131: 599-603.
 15. Kalos M, et al. **Prostein expression is highly restricted to normal and malignant prostate tissues.** *Prostate* 2004; 60: 246-256.

Ordering Information

Antibody	Clone	Species	Dilution	Concentrate			Ready to use/RTU		
				0.1 ml	0.5 ml	1.0 ml	1 ml	7 ml	6 ml
HMW Keratin*	34betaE12	Mouse	100-500	334M-84	334M-85	334M-86	334M-87	334M-88	-
GATA3	L50-823	Mouse	100-500	390M-14	390M-15	390M-16	390M-17	390M-18	-
Nkx3.1	polyclonal	Rabbit	25	E14100	E14102	E14104	-	E14101	-
p63	4A4	Mouse	100	-	-	Z2003L	-	-	413751F
ΔNp63 (p40)	polyclonal	Rabbit	50-100	-	RP163-05	-	-	-	PDR055
ΔNp63 (p40)	ZR8	Rabbit	100-200	-	-	Z2004	-	-	-
Thrombomodulin	1009	Mouse	25-100	339M-14	339M-15	339M-16	339M-17	339M-18	-
PSA	ER-PR8	Mouse	50-200	324M-14	324M-15	324M-16	324M-17	324M-18	-
P501S	ZR9	Rabbit	200	-	-	Z2006	-	-	-
PSMA	EP192	Rabbit	100-200	AC-0160A	-	AC-0160	-	-	-

* also available as 25 ml RTU (334M-80)

Please also request our [GATA3](#) and [p40](#) flyers.

For further markers please see the current Cell Marque catalogue and the associated supplement on our website www.medac-diagnostika.de: first, click on Information, then on Immunohistochemistry, see under Catalogues.

[Cell Marque Catalogue Volume 10](#)

[Cell Marque Brochure New Primary Antibodies](#)

[Supplement Cell Marque Catalogue Volume 10](#)

[Clonelist 2015](#)

[Rabbit Monoclonals - A Better Way to Stain](#)

For a list of articles comparing p63 and ΔNp63 (p40) please see our website www.medac-diagnostika.de: first, click on Information, then on Primary and Secondary Antibodies.

First-hand information
www.medac-diagnostika.de



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