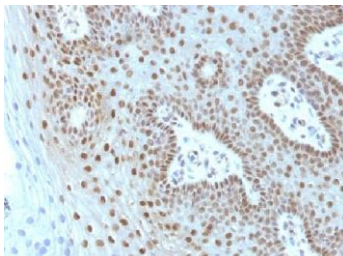


## Prostate Cancer Markers

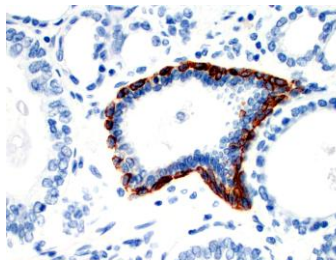


Prostate cancer is the fourth most common cancer in both sexes combined and the second most common cancer in men. An estimated 1.1 million men worldwide were diagnosed with prostate cancer in 2012, accounting for 15% of the cancers diagnosed in men, with almost 70% of the cases (759k occurring in more developed regions). Prostate cancer incidence varies more than 25-fold worldwide. With an estimated 307,000 deaths in 2012, prostate cancer is the fifth leading cause of death from cancer in men (6.6% of the total men deaths). there is less variation in mortality rates worldwide (ten-fold from about 3 to 30 per 100,000).

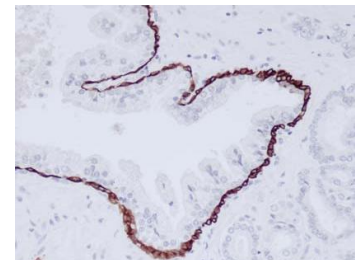
GLOBOCAN database



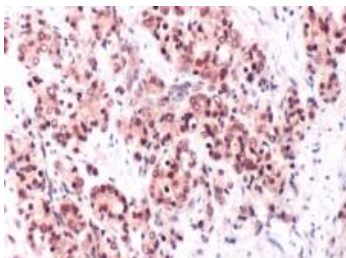
FFPE human cervical ca stained with anti-c-Myc [MYC275+909]



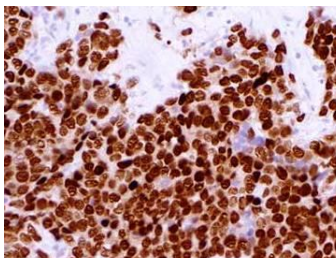
FFPE human prostate ca stained with anti-CK5/6 [D5/16B4]



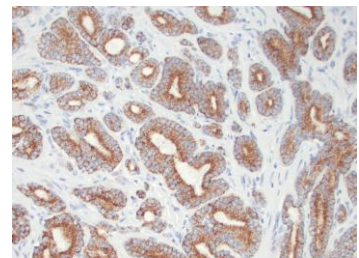
FFPE human prostate ca stained with anti-CK HMW [34BE12]



FFPE human prostate carcinoma stained with anti-IMP3 Polyclonal



FFPE human high-grade prostate ca stained with anti-NKX3.1 [EP356]



FFPE human prostate ca stained anti-p504S [13H4]

## Prostate Cancer Markers

Name	Cat. No.	Application
AR [AR441]	MC0609	Used to identify prostate carcinoma
AR [MD124R]	RM0004	
c-Myc [9E10]	MC0728	Overexpression implicated in the development and progression of prostate cancer
c-Myc [EP121]	RM0070	
c-Myc [MYC275+909]	MC0134	
COX2 [COX2/2377]	MC0286	Increased expression significantly associated with biochemical failure, distant metastasis of high-risk prostate cancer
COX2 [MD144R]	RM0200	
CK5 [EP24]	RM0083	Useful for assessment of problematic prostate specimens
CK5 [KRT5/2080]	MC0429	
CK5/6 [D5/16B4]	MC0327	
CK5/6 [KRT5-6/2437]	MC0211	
CK6 [LHK6]	MC0750	
CK7 [OV-TL12/30]	MC0754	Used to identify the organ origin of adenocarcinomas when combined with CK20; and differentiate benign prostate tumor (+) vs prostate cancer (-)
CK HMW [34BE12]	MC0328	Reacts with benign small-acinar lesions of the prostate
Claudin 4 [A12]	MC0209	Overexpression in prostate cancer may offer a Claudin 4 targeted therapy as a potential treatment
ERG [EPR3864]	RM0094	Frequently overexpressed in prostate cancer
IMP3/KOC [MD123]	MC0426	Associated with metastasis and prostate cancer specific survival. Enhanced expression in prostate cancer than normal prostate
MUC18/CD146 [MUC18/1130]	MC0862	Enforced expression increases prostate tumorigenesis in vivo and may affect the process by increasing proliferation, and augmenting the angiogenic ability of prostate cancer cells
NKX3.1 [MD149R]	RM0386	With ERG, it may aid in identifying tumors of prostatic origin
p40 [MD6R]	RM0260	Might be more specific basal cell marker for the early stages of prostate cancer. May help indicate the prostatic intraepithelial neoplasia (PIN)
p40 Polyclonal	RC3114	
p504S (AMACR) [13H4]	RM0215	Usually found in prostatic adenocarcinoma but not in benign prostatic tissue by premalignant lesions of prostate
p63 [4A4]	MC0221	A standard marker for basal cells of the prostate gland
p63 [TP63/11]	MC0906	
PD-L1 [MD21R]	RM0324	Expression linked to biochemical recurrence likely associated with clinical outcomes
PSA [A67-B/E3]	MC0925	Elevated serum level is an important marker for benign prostatic hyperplasia, prostatitis, and prostate cancer
PSA [EP109]	RM0166	
PSA [KLK3/2871R]	RM0167	

## Prostate Cancer Markers

Name	Cat. No.	Application
PSAP [EPR4067]	RM0167	May be helpful in pinpointing the site of origin in metastatic carcinoma of the prostate and is considered a more sensitive but less sensitive marker than PSA
PSAP [PASE/4LJ]	MC0354	
PSMA [MD105R]	RM0168	Expression correlates with the progression of prostate cancer with highest levels expressed in hormonerefractory and metastatic disease
PTEN [6H2.1]	MC0356	A reduction of PTEN expression in advanced prostate cancer
PTEN [PTEN/2110]	MC0531	
SOX2 [MD113R]	RM0179	Boosts major tumor progression genes in prostate cancer and is a functional biomarker of lymph node metastasis
SOX2 [SOX2/1791]	MC0299	
Vimentin [LN-6]	MC0965	Promotes tumor cell invasiveness and the targeting of vimentin/C-src may be a promising strategy for preventing or blocking prostate cancer metastasis
Vimentin [V9]	MC0268	

Research Use Only