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Datasheet for ABIN6939770 anti-Prostate Specific Antigen antibody

2 Images



Overview

Quantity:	100 µg
Target:	Prostate Specific Antigen (PSA)
Reactivity:	Human, Cat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Prostate Specific Antigen antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	PSA (p30) from human sperm plasma
Clone:	1A7
Isotype:	lgG1 kappa
Specificity:	Recognizes a single protein of 33-34 kDa, identified as the prostate specific antigen (PSA). This
	MAb is highly specific to PSA and stains prostatic secretory and ductal epithelium in both
	normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family)
	exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be
	detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a
	liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of
	serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia. This
	MAb makes an excellent pair with MAb A67-B/E3 for PSA tests.

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Product Details

Purification:

Purified by Protein A/G

Target Details

Target:	Prostate Specific Antigen (PSA)
Alternative Name:	KLK3 (PSA Products)
Molecular Weight:	33-34kDa
Gene ID:	354
UniProt:	P07288
Pathways:	Complement System

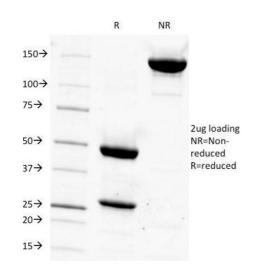
Application Details

Application Notes:	Positive Control: PC-3 or LNCaP cell lysates (WB). Prostate tissue (IHC). LNCaP cells (IF).
	Known Application: Flow Cytometry (0.5-1 μ g/million cells), Immunofluorescence (0.5-1 μ
	g/mL), Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT) (Staining
	of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-
	20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application
	should be determined.
Restrictions:	For Research Use only

Handling

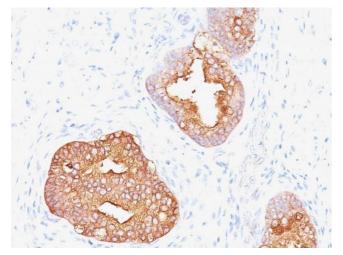
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

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SDS-PAGE

Image 1. SDS-PAGE Analysis Purified PSA Mouse Monoclonal Antibody (1A7). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Prostate Specific Antigen Mouse Monoclonal Antibody (1A7).

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