

Datasheet for ABIN533789

**anti-STEAP1 antibody (AA 1-70)****3** Images**2** Publications[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	STEAP1
Binding Specificity:	AA 1-70
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This STEAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Purpose:	Mouse monoclonal antibody raised against partial recombinant STEAP1.
Immunogen:	Recombinant protein corresponding to amino acids 1-70 of human STEAP1.
Clone:	J2D2
Isotype:	IgG2b
Cross-Reactivity:	Human, Rat

## Target Details

Target:	STEAP1
Alternative Name:	STEAP / STEAP1 ( <a href="#">STEAP1 Products</a> )

## Target Details

Gene ID:	26872
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## Application Details

Application Notes:	ELISA Immunofluorescence (1:100-1:300) Immunohistochemistry (1:50-1:100) Western Blot (1:000-1:2000) The optimal working dilution should be determined by the end user.
--------------------	---

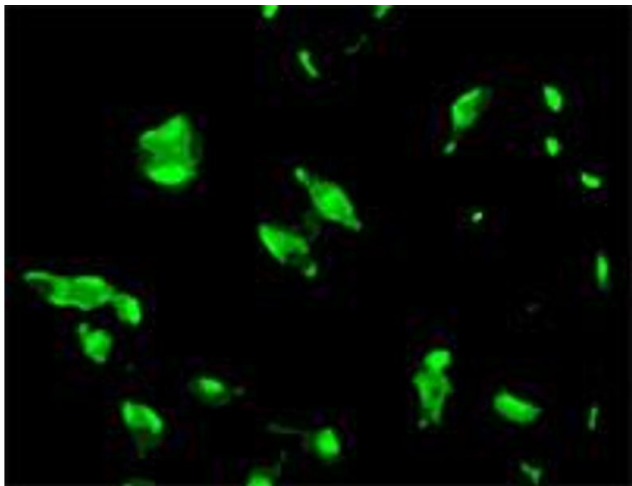
Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Liquid
Buffer:	In PBS, pH 7.4 (10 % glycerol, 0.02 % sodium 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:	-20 °C,-80 °C
Storage Comment:	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

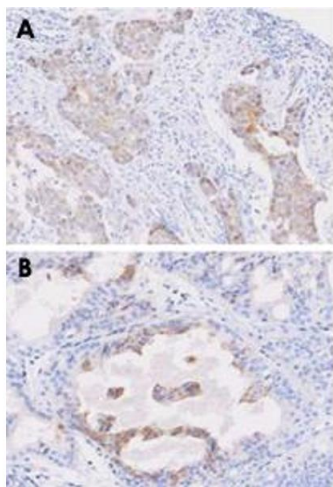
## Publications

Product cited in:	Challita-Eid, Morrison, Etesami, An, Morrison, Perez-Villar, Raitano, Jia, Gudas, Kanner, Jakobovits: "Monoclonal antibodies to six-transmembrane epithelial antigen of the prostate-1 inhibit intercellular communication in vitro and growth of human tumor xenografts in vivo." in: <b>Cancer research</b> , Vol. 67, Issue 12, pp. 5798-805, (2007) ( <a href="#">PubMed</a> ).  Rodeberg, Nuss, Elsawa, Celis: "Recognition of six-transmembrane epithelial antigen of the prostate-expressing tumor cells by peptide antigen-induced cytotoxic T lymphocytes." in: <b>Clinical cancer research : an official journal of the American Association for Cancer Research</b> , Vol. 11, Issue 12, pp. 4545-52, (2005) ( <a href="#">PubMed</a> ).
-------------------	---



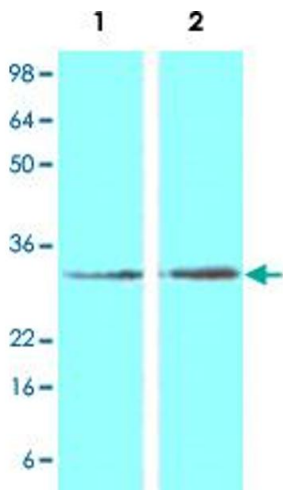
**Immunofluorescence**

**Image 1.** Immunofluorescence staining of human LNCaP cell colony with STEAP1 monoclonal antibody, clone J2D2 .



**Immunohistochemistry**

**Image 2.** Paraffin embedded sections of human breast cancer (A) and prostate hyperplasia tissue (B) were incubated with STEAP1 monoclonal antibody, clone J2D2 (1 : 50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



**Image 3.** Cell lysates of LNCap (Lane 1, 30 ug) and rat testis (Lane 2, 30 ug) were resolved by SDS-PAGE and probed with STEAP1 monoclonal antibody, clone J2D2 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.