

Datasheet for ABIN7269599

**anti-PSMA1 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	PSMA1
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PSMA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Purpose:	PSMA1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human PSMA1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	PSMA1
Alternative Name:	PSMA1 ( <a href="#">PSMA1 Products</a> )
Background:	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S

## Target Details

core structure. The core structure is composed of 4 rings of 28 non-identical subunits, 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the peptidase T1A family, that is a 20S core alpha subunit. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jan 2009],HC2, HEL-S-275, NU, PROS30,Cell Biology & Developmental Biology,Ubiquitin,PSMA1

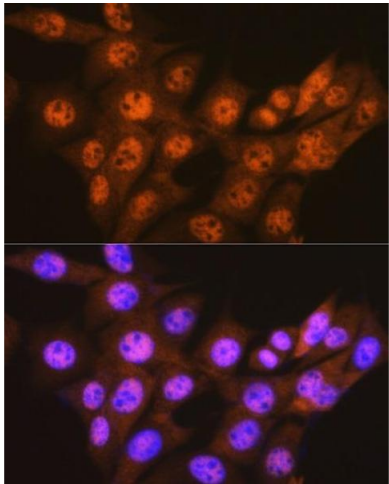
Molecular Weight:	30kDa
Gene ID:	5682
UniProt:	<a href="#">P25786</a>
Pathways:	<a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000, IF,1:50 - 1:200
Restrictions:	For Research Use only

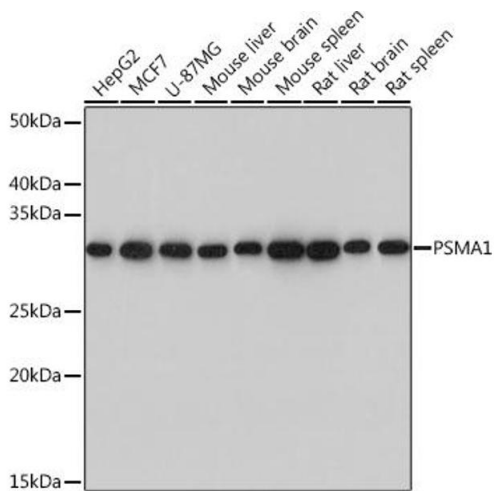
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using PSM Rabbit mAb (ABIN7269599) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using PSM Rabbit mAb (ABIN7269599) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.