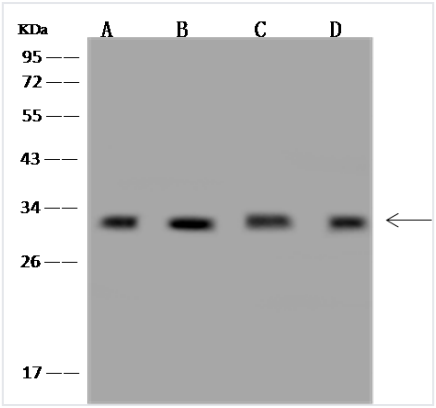
PSMA1 Antibody – Rabbit Polyclonal

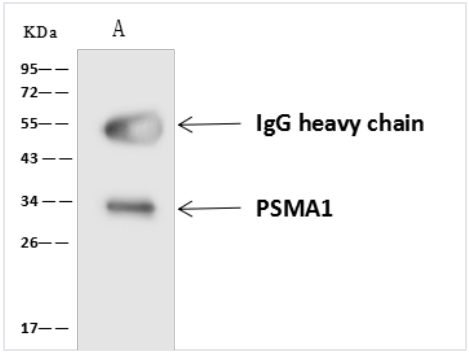
PRODUCT OVERVIEW

Product Name	PSMA1, Polyclonal Antibody
Full Product Name	Anti-PSMA1 Antibody, Rabbit Polyclonal
Product Gene Name	anti-PSMA1 antibody
Product Synonym Names	PSMA1 Antibody, Rabbit PAb, Antigen Affinity Purified; proteasome (prosome, macropain) subunit, alpha type, 1; Anti-HC2 Antibody; Anti-HEL-S-275 Antibody; Anti-NU Antibody; Anti-PROS30 Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human PSMA1
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.
Immunogen	E Coli-derived Human PSMA1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PSMA1 fragment, and purified by antigen affinity chromatography.
Applications Tested/Suitable for anti-PSMA1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-PSMA1 antibody	WB: 1:500-1:2000 IP: 1-5uL/mg of lysate
Related Product Information for anti-PSMA1 antibody	PSMA1 (Proteasome 20S Subunit Alpha 1) is a Protein Coding gene. The PSMA1 gene, located on 11p15.2, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat, etc. This gene encodes a member of the peptidase T1A family, which is a 20S core alpha subunit. Alternative splicing results in multiple transcript variants encoding distinct isoforms. PSMA1 is widely expressed in the appendix, placenta, and other tissues. Diseases associated with PSMA1 include Cystic Fibrosis and Alzheimer's Disease. PSMA1 is the direct target gene of miR-27a in pancreatic cancer and is considered as a potential biomarker for HBV-associated hepatocellular carcinoma. The related pathways of PSMA1 are Regulation of activated PAK-2p34 by proteasome-mediated degradation and Antigen processing-Cross presentation.
Product References and Citations for anti-PSMA1 antibody	Zhang TT, et al. (2013) [target prediction and verification of mir-27a in pancreatic cancer]. Zhonghua Bing Li Xue Za Zhi 42 (6): 392-396.Qin J, et al. (2017) Identification of proteasome subunit alpha type-1 as a novel biomarker in hbv-associated hepatocellular carcinoma tissue interstitial fluid by proteomic analysis. Int J Clin Exp Pathol 10 (7): 7812-7820.Cron KR, et al. (2013) Proteasome inhibitors block DNA repair and radiosensitize non-small cell lung cancer. PLoS One 8 (9): e73710.
Other Notes	Small volumes of anti-PSMA1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for PSMA1 purchase	MBS8108079 is an antibody targeting PSMA1. Also known as Anti-PSMA1 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PSMA1 antibody
Anti-PSMA1 rabbit polyclonal antibody at 1:500 dilution Lane A: Jurkat Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lane C: HepG2 Whole Cell Lysate Lane D: PC3 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size:30 kDa Observed band size:30 kDa



Immunoprecipitation (IP) of anti-PSMA1 antibody
PSMA1 was immunoprecipitated using: Lane A:0.5 mg Jurkat Whole Cell Lysate 4 uL anti-PSMA1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PSMA1 rabbit polyclonal antibody,at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 30 kDa Observed band size :30 kDa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMA1. It may not necessarily be applicable to this product.

Protein Family	Phenol-soluble modulin alpha 1 peptide
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/psma1/8108079