PSMD14 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSMD14, Polyclonal Antibody
Full Product Name	PSMD14 Antibody, FITC Conjugated
Product Gene Name	anti-PSMD14 antibody
Product Synonym Names	26S proteasome non-ATPase regulatory subunit 14; EC 3.4.19.-; 26S proteasome regulatory subunit RPN11; 26S proteasome-associated PAD1 homolog 1; PSMD14; POH1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	Antigen Affinity Purified
Preparation and Storage	Upon receipt, store at-20 degree C or-80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: PSMD14 (MBS7113274) FITC Conjugated Antibody: PSMD14 (MBS7113276)
Molecular Weight	34,577 Da
3D Structure	ModBase 3D Structure for O00487
Immunogen Species	Human
Immunogen	Recombinant Human 26S proteasome non-ATPase regulatory subunit 14 protein (264-283AA)
Conjugate	FITC
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-PSMD14 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PSMD14 antibody	ELISA (EIA)
Related Product Information for anti-PSMD14 antibody	MBS7113276 is an antibody targeting PSMD14. Also known as PSMD14 Antibody, FITC Conjugated. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-PSMD14 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMD14. It may not necessarily be applicable to this product.

NCBI GI #	5031981

NCBI GeneID	10213
NCBI Accession #	NP_005796.1
UniProt Primary Accession #	O00487
UniProt Secondary Accession #	O00176; B3KNW2
UniProt Related Accession #	O00487
GenBank Nucleotide #	NM_005805.6
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 14
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 14
NCBI Official Symbol	PSMD14
NCBI Official Synonym Symbols	PAD1; POH1; RPN11
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 14
UniProt Synonym Protein Names	26S proteasome regulatory subunit RPN11; 26S proteasome-associated PAD1 homolog 1
UniProt Gene Name	PSMD14
UniProt Synonym Gene Names	POH1
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 14
NCBI Summary for PSMD14	This gene encodes a component of the 26S proteasome. The 26S proteasome is a large multiprotein complex that catalyzes the degradation of ubiquitinated intracellular proteins. The encoded protein is a component of the 19S regulatory cap complex of the 26S proteasome and mediates substrate deubiquitination. A pseudogene of this gene is also located on the long arm of chromosome 2. [provided by RefSeq, Feb 2012]
UniProt Comments for PSMD14	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. The PSMD14 subunit is a metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains within the complex. Plays a role in response to double-strand breaks (DSBs): acts as a regulator of non-homologous end joining (NHEJ) by cleaving 'Lys-63'-linked polyubiquitin, thereby promoting retention of JMJD2A/KDM4A on chromatin and restricting TP53BP1 accumulation. Also involved in homologous recombination repair by promoting RAD51 loading.
Research Articles on PSMD14	**1.** POH1 knockdown induced cell apoptosis through increased expression of p53 and Bim.
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.
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