

Rabbit PRS4 Polyclonal Antibody | anti-PSMC1 antibody

PRS4 Antibody (C-term)

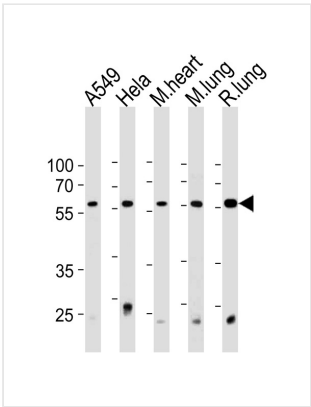
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288739	Rabbit	Human, mouse, rat	Western Blot, Immunohistochemistry, ELISA, Immunofluorescence

PRODUCT SYNONYMS

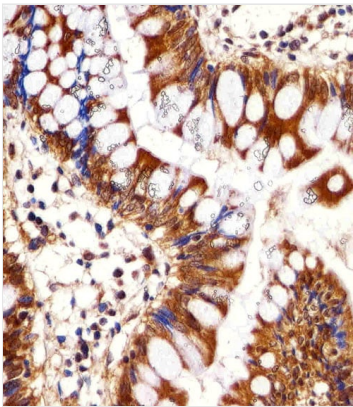
PRS4; Polyclonal Antibody; PRS4 Antibody (C-term); 26S protease regulatory subunit 4; P26s4; 26S proteasome AAA-ATPase subunit RPT2; Proteasome 26S subunit ATPase 1; PSMC1; anti-PSMC1 antibody

PRODUCT SPECIFICATIONS

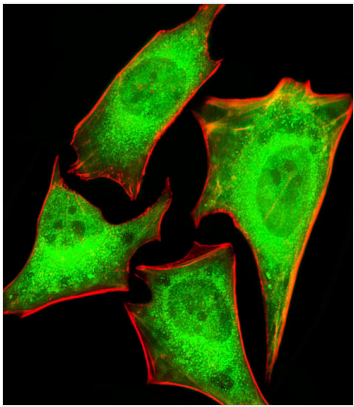
Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRS4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 408-436 amino acids from the C-terminal region of human PRS4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	408-436
Sequence Length	440
Applicable Applications for anti-PSMC1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



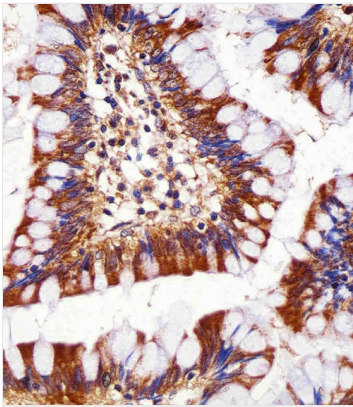
WB (Western Blot)
PRS4 Antibody (C-term) western blot analysis in A549, Helacell line and mouse heart and lung, rat lung tissue lysates (35ug/lane). This demonstrates the PRS4 antibody detected the PRS4 protein (arrow).



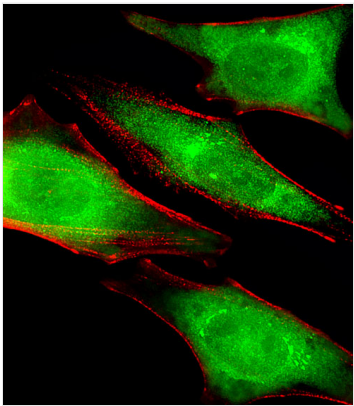
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. colon section using PRS4 Antibody (C-term). AAA288739 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



IF (Immunofluorescence)
Fluorescent image of HeLa cells stained with PRS4 Antibody (C-term). AAA288739 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. colon section using PRS4 Antibody (C-term). AAA288739 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



IF (Immunofluorescence)
Fluorescent image of HeLa cells stained with PRS4 Antibody (C-term). AAA288739 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC1 antibody	The 26S protease is involved in the ATP-dependent degradation of ubiquitinated proteins. The regulatory (or ATPase) complex confers ATP dependency and substrate specificity to the 26S complex.
---	--

Product Categories/Family for anti-PSMC1 antibody	Crown Antibodies; Cell Biology
References	Dubiel W., et al. J. Biol. Chem. 267:22699-22702(1992). Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DBJ databases. Matilla A., et al. Hum. Mol. Genet. 10:2821-2831(2001). Brill L.M., et al. Anal. Chem. 76:2763-2772(2004). Katiyar S., et al. Proc. Natl. Acad. Sci. U.S.A. 101:13774-13779(2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	24430151
NCBI GeneID	5700
NCBI Accession #	NP_002793.2
NCBI GenBank Nucleotide #	NM_002802.2
UniProt Accession #	P62191; P49014; Q03527; Q6IAW0; Q6NW36; Q96AZ3; B4DR63
Molecular Weight	49185
NCBI Official Full Name	26S protease regulatory subunit 4
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 1
NCBI Official Symbol	PSMC1
NCBI Official Synonym Symbols	S4; p56; P26S4
NCBI Protein Information	26S protease regulatory subunit 4
UniProt Protein Name	26S protease regulatory subunit 4
UniProt Gene Name	PSMC1
UniProt Synonym Gene Names	P26s4
UniProt Entry Name	PRS4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/prs4-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/288739>