

Rabbit PSMC5 Polyclonal Antibody | anti-PSMC5 antibody

PSMC5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329555	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)	ELISA, Western Blot

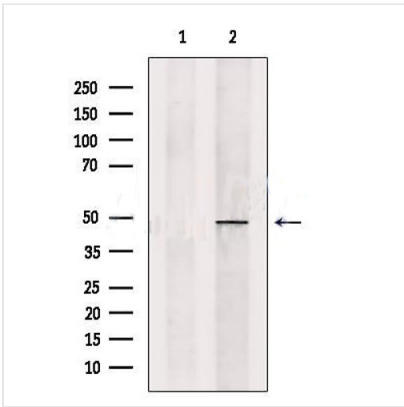
PRODUCT SYNONYMS

PSMC5; Polyclonal Antibody; PSMC5 Antibody; 26S protease regulatory subunit 8; 26S proteasome AAA-ATPase subunit RPT6; Cim3; MSUG1 protein; p45; p45/SUG; Proteasome 26S ATPase subunit 5; Proteasome 26S subunit ATPase 5; Proteasome prosome macropain 26S subunit ATPase 5; Proteasome subunit p45; PRS8_HUMAN; Rpt6; S8; SUG1; Tat binding protein homolog 10; TBP10; Thyroid hormone receptor interacting protein 1; Thyroid hormone receptor-interacting protein 1; Thyroid receptor interactor 1; TRIP1; TRIP1 (SUG1); anti-PSMC5 antibody

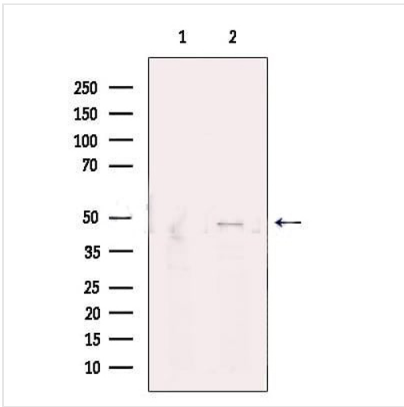
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	PSMC5 Antibody detects endogenous levels of total PSMC5.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PSMC5 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PSMC5, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Component of the 19S proteasome regulatory particle complex. The 26S proteasome consists of a 20S core particle (CP) and two 19S regulatory subunits (RP). The regulatory particle is made of a lid composed of 9 subunits, a base containing 6 ATPases including PSMC5 and few additional components. Component of a complex with USP49 and RUVBL1. Interacts with PRPF19. Interacts with TRIM5. Interacts with NDC80. Interacts with PAAF1. Interacts, in vitro, with the thyroid hormone receptor (in a thyroid hormone T3-dependent manner) and with retinoid X receptor (RXR) (By similarity). Interacts with ERCC6.
Similarity	Belongs to the AAA ATPase family.
Subcellular Location	Cytoplasm. Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from Pc12, using Rpt6 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from 293T, using Rpt6 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PSMC5 antibody	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. PSMC5 belongs to the heterohexameric ring of AAA (ATPases associated with diverse cellular activities) proteins that unfolds ubiquitinated target proteins that are concurrently translocated into a proteolytic chamber and degraded into peptides.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	49065819
NCBI GeneID	5705
UniProt Accession #	P62195; O35051; O43208; P47210; P52915; P52916; A8K3Z3; A8K763
Molecular Weight	406
NCBI Official Full Name	26S protease regulatory subunit 8
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 5
NCBI Official Symbol	PSMC5
NCBI Official Synonym Symbols	S8; p45; SUG1; SUG-1; TBP10; TRIP1; p45/SUG
NCBI Protein Information	26S protease regulatory subunit 8; MSUG1 protein; proteasome subunit p45; thyroid receptor interactor 1; Tat-binding protein homolog 10; proteasome 26S ATPase subunit 5; proteasome 26S subunit ATPase 5; 26S proteasome AAA-ATPase subunit RPT6; thyroid horm
UniProt Protein Name	26S protease regulatory subunit 8
UniProt Gene Name	PSMC5
UniProt Synonym Gene Names	SUG1; TRIP1
UniProt Entry Name	PRS8_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.