

Product Name: PSMC5 Rabbit Monoclonal antibody**Catalog #: AMRe02492**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB, ICC/IF, IP
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

Dilution Ratio	WB 1:500-1:1000, ICC/IF 1:50-1:200, IP 1:20-1:50
Molecular Weight	Calculated MW: 46 kDa; Observed MW: 46 kDa

Antigen Information

Gene Name	PSMC5
Alternative Names	S8; p45; SUG1; SUG-1; TBP10; TRIP1; p45/SUG
Gene ID	5705
SwissProt ID	P62195
Immunogen	A synthetic peptide of human PSMC5

Background

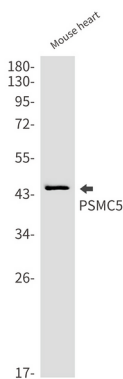
Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged

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.

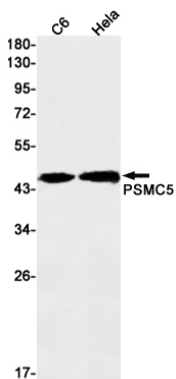
Research Area

Cell Biology

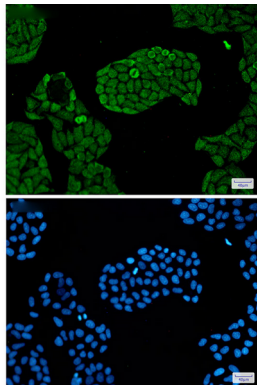
Image Data



Western blot analysis of PSMC5 in mouse heart lysates using PSMC5 antibody.



Western blot analysis of PSMC5 in C6, HeLa lysates using PSMC5 antibody.



Immunocytochemistry analysis of PSMC5 (green) in HeLa using PSMC5 antibody, and DAPI (blue)