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Datasheet for ABIN7142237

anti-PSMC4 antibody (Regulatory Subunit 6B) (HRP)

Overview

Quantity:	100 µg
Target:	PSMC4
Binding Specificity:	AA 112-181, Regulatory Subunit 6B
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMC4 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human 26S proteasome regulatory subunit 6B protein (112-181AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PSMC4
Alternative Name:	PSMC4 (PSMC4 Products)
Background:	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

Target Details

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. PSMC4 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.

Aliases: 26S protease regulatory subunit 6B antibody, 26S proteasome AAA ATPase subunit RPT3 antibody, 26S proteasome AAA-ATPase subunit RPT3 antibody, MB67 interacting protein antibody, MB67-interacting protein antibody, MIP224 antibody, Protease 26S subunit 6 antibody, Proteasome (prosome macropain) 26S subunit ATPase 4 antibody, Proteasome 19S S6 antibody, Proteasome 26S subunit ATPase 4 antibody, Proteasome 26S subunit, ATPase, 4 antibody, PRS6B_HUMAN antibody, PSMC4 antibody, RPT3 antibody, S6 antibody, Tat binding protein 7 antibody, TAT-binding protein 7 antibody, TBP 7 antibody, TBP-7 antibody

UniProt: [P43686](#)

Pathways: [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Synthesis of DNA](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.