Datasheet for ABIN7142234

anti-PSMC4 antibody (Regulatory Subunit 6B)

3 Images

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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 un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human 26S proteasome regulatory subunit 6B protein (112-181AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
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

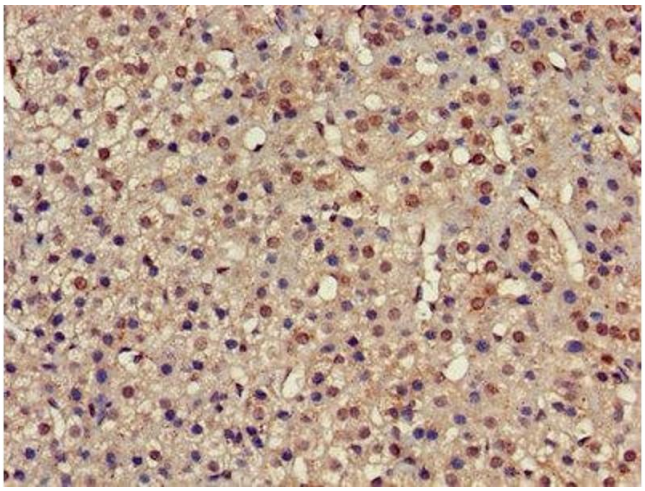
	maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or 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:	Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000,
Restrictions:	For Research Use only

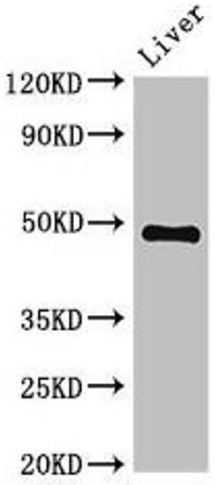
Handling

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.



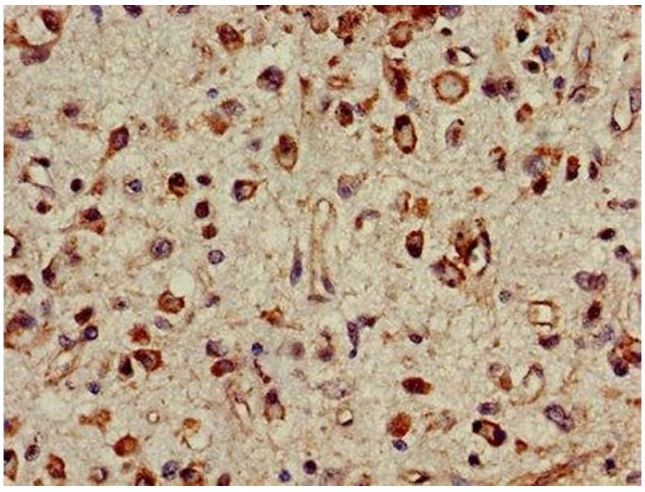
Immunohistochemistry

Image 1. IHC image of ABIN7142234 diluted at 1:500 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: Mouse liver tissue All lanes: PSMC4 antibody at 3.4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 48, 44 kDa Observed band size: 48 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7142234 diluted at 1:500 and staining in paraffin-embedded human glioma performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.