

Datasheet for ABIN1881692

anti-PSMC1 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	PSMC1
Binding Specificity:	AA 408-436, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	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.
Clone:	RB44417
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PSMC1
Abstract:	PSMC1 Products

Target Details

Background:	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.
Molecular Weight:	49185
NCBI Accession:	NP_002793
UniProt:	P62191
Pathways:	Mitotic G1-G1/S Phases , DNA Replication , Synthesis of DNA , Ubiquitin Proteasome Pathway

Application Details

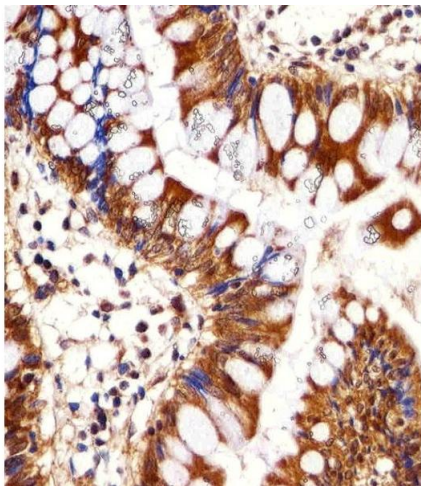
Application Notes:	IF: 1:25. WB: 1:1000. IHC-P: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

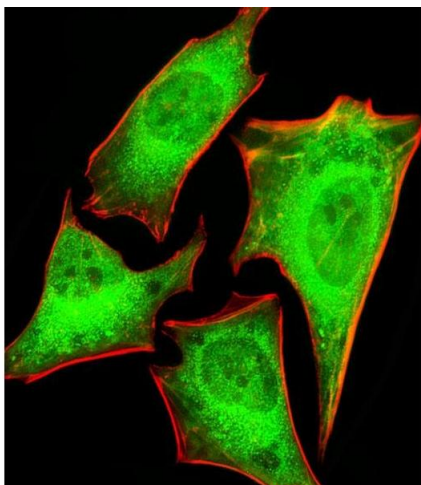
Publications

Product cited in:	<p>Akpa, Oyejola: "Modeling the transmission dynamics of HIV/AIDS epidemics: an introduction and a review." in: Journal of infection in developing countries, Vol. 4, Issue 10, pp. 597-608, (2010) (PubMed).</p> <p>Kladney, Cardiff, Kwiatkowski, Chiang, Weber, Arbeit, Lu: "Tuberous sclerosis complex 1: an epithelial tumor suppressor essential to prevent spontaneous prostate cancer in aged mice." in: Cancer research, Vol. 70, Issue 21, pp. 8937-47, (2010) (PubMed).</p>
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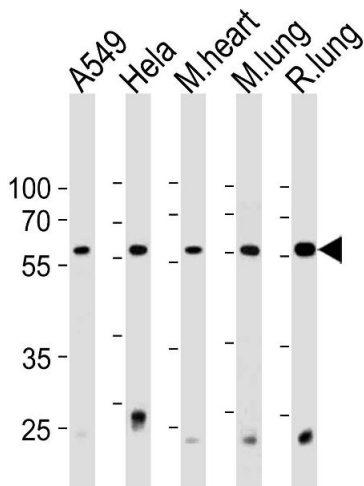
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffin-embedded H. colon section using PRS4 Antibody (C-term) (ABIN1881692 and ABIN2843376). (ABIN1881692 and ABIN2843376) was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Immunofluorescence

Image 2. Fluorescent image of HeLa cells stained with PRS4 Antibody (C-term) (ABIN1881692 and ABIN2843376). (ABIN1881692 and ABIN2843376) 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).



Western Blotting

Image 3. PRS4 Antibody (C-term) (ABIN1881692 and ABIN2843376) western blot analysis in A549, HeLa cell line and mouse heart and lung, rat lung tissue lysates (35 μ g/lane). This demonstrates the PRS4 antibody detected the PRS4 protein (arrow).