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Datasheet for ABIN5007070  
**anti-PSMC2 antibody (AA 101-200) (Alexa Fluor 680)**

### Overview

Quantity:	100 µL
Target:	PSMC2
Binding Specificity:	AA 101-200
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSMC2 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MSS1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Horse,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	PSMC2
Alternative Name:	MSS1 ( <a href="#">PSMC2 Products</a> )

## Target Details

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**Background:** Synonyms: 26S protease complex, mammalian suppressor of sgv-1 of yeast, MSS1, Nbla10058, protease 26S subunit 7, proteasome 26S ATPase subunit 2, Proteasome 26S subunit ATPase 2, proteasome 26S subunit ATPase 2, Protein MSS1, PSMC2, putative protein product of Nbla10058, S7 antibody, PRS7\_HUMAN.

Background: Proteolytic degradation is critical to the maintenance of appropriate levels of short-lived and regulatory proteins as important and diverse as those involved in cellular metabolism, heat shock and stress response, antigen presentation, modulation of cell surface receptors and ion channels, cell cycle regulation, transcription, and signalling factors. The ubiquitin-proteasome pathway deconstructs most proteins in the eukaryotic cell cytosol and nucleus. Others are degraded via the vacuolar pathway which includes endosomes, lysosomes and the endoplasmic reticulum.

**Gene ID:** 5701

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

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**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

**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

**Expiry Date:** 12 months