Datasheet for ABIN6264480

# anti-PSMC3 antibody

3 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | PSMC3 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PSMC3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC) |

## Product Details

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|---|---|
| Immunogen: | A synthesized peptide derived from human PSMC3 |
| Isotype: | IgG |
| Specificity: | PSMC3 Antibody detects endogenous levels of total PSMC3 |
| Cross-Reactivity: | Human, Mouse (Murine), Rat (Rattus) |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

## Target Details

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|---|---|
| Target: | PSMC3 |
| Alternative Name: | PSMC3 (PSMC3 Products) |

## Target Details

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|---|---|
| Background: | Description: 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. PSMC3 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.<br>Gene: PSMC3 |
| Molecular Weight: | 49kDa |
| Gene ID: | 5702 |
| UniProt: | P17980 |
| Pathways: | Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA, Ubiquitin Proteasome Pathway |

## Application Details

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| Application Notes: | WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500 |
| Restrictions: | For Research Use only |

## Handling

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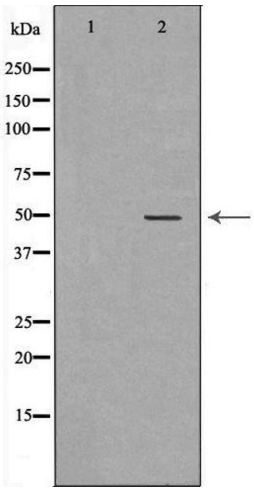
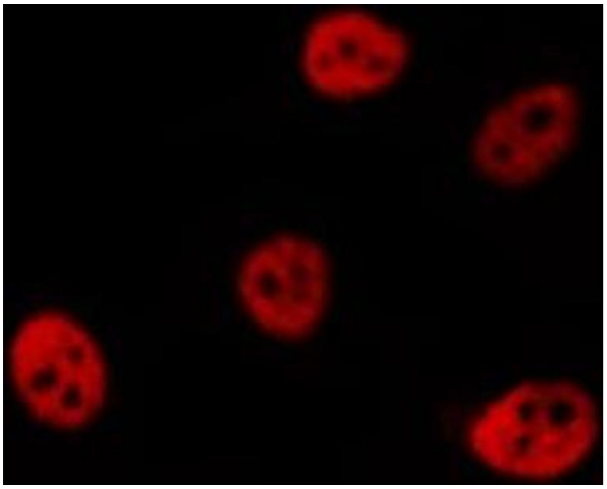
|---|---|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C.Stable for 12 months from date of receipt |
| Expiry Date: | 12 months |



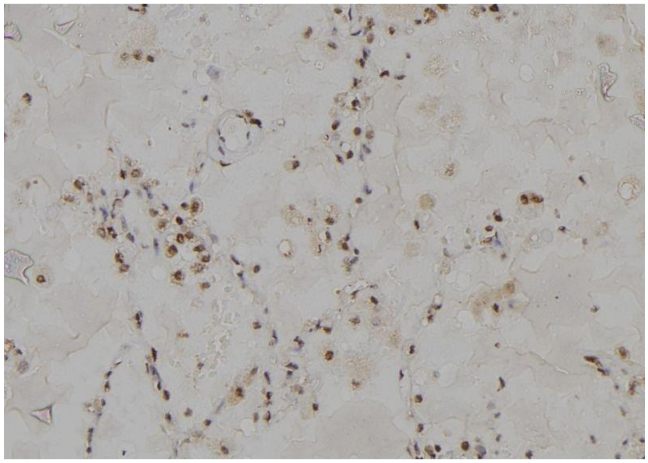

## Western Blotting

**Image 1.** Western blot analysis of Hela whole cell lysates, using PSMC3 Antibody. The lane on the left is treated with the antigen-specific peptide.



## Immunofluorescence (fixed cells)

**Image 2.** ABIN6277000 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod



## Immunohistochemistry

**Image 3.** ABIN6277000 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary