

Datasheet for ABIN5009277

**anti-PSMA1 antibody (AbBy Fluor® 680)**[Go to Product page](#)

## Overview

|              |                                                                                 |
|--------------|---------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                          |
| Target:      | PSMA1                                                                           |
| Reactivity:  | Human, Mouse, Rat                                                               |
| Host:        | Rabbit                                                                          |
| Clonality:   | Polyclonal                                                                      |
| Conjugate:   | This PSMA1 antibody is conjugated to AbBy Fluor® 680                            |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                                       |
|-------------------|-----------------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human Proteasome 20S C2 |
| Isotype:          | IgG                                                                   |
| Cross-Reactivity: | Human, Mouse, Rat                                                     |
| Purification:     | Purified by Protein A.                                                |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PSMA1                                                                                                                                                                                                                                                                                                                                                            |
| Alternative Name: | Proteasome 20S C2 ( <a href="#">PSMA1 Products</a> )                                                                                                                                                                                                                                                                                                             |
| Background:       | Synonyms: 20S Proteasome 1, 30 kDa prosomal protein, HC 2, HC2, Macropain subunit C2, Macropain subunit nu, Multicatalytic endopeptidase complex subunit C2, NU antibody PROS 30, PROS-30, PROS30, Proteasome prosome macropain subunit alpha type 1, Proteasome alpha 1 subunit, Proteasome component C2, Proteasome nu chain, Proteasome subunit alpha type 1, |

## Target Details

Proteasome subunit alpha type I, Proteasome subunit alpha type-1, Proteasome subunit nu, Protein P30 33K, PSA1\_HUMAN, PSC 2, PSC2, PSMA 1, psmA1.

Background: Ubiquitin-dependent proteolysis mediates selective destruction of various cell cycle regulators, transcription factors and tumor suppressors. In eukaryotic cells, selective breakdown of cellular proteins is ensured by their ubiquitination and subsequent degradation by the 26S proteasome. At specific stages of development, embryo- and tissue-specific components of the 26S proteasome form, facilitating proteolysis. 20S Proteasome ?, also designated macropain subunit C2 or PROS-30, is a prosomal protein involved in a non-lysosomal ATP/ubiquitin-dependent proteolytic pathway. The entire proteasome is composed of at least 15 non-identical subunits which form a highly-ordered ring-shaped structure.

|           |                                                                                                             |
|-----------|-------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 5682                                                                                                        |
| Pathways: | <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | IF(IHC-P) 1:50-200    |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                          |