

## Proteasome 20S C2 Conjugated Antibody

Catalog No: #C49840



Package Size: #C49840-AF350 100ul #C49840-AF405 100ul #C49840-AF488 100ul

#C49840-AF555 100ul #C49840-AF594 100ul #C49840-AF647 100ul

#C49840-AF680 100ul #C49840-AF750 100ul #C49840-Biotin 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Proteasome 20S C2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	30 kDa prosomal protein antibody HC 2 antibody HC2 antibody Macropain subunit C2 antibody Macropain subunit nu antibody MGC14542 antibody MGC14575 antibody MGC14751 antibody MGC1667 antibody MGC21459 antibody MGC22853 antibody MGC23915 antibody Multicatalytic endopeptidase complex subunit C2 antibody NU antibody PROS 30 antibody PROS-30 antibody PROS30 antibody Proteasome (prosome macropain) subunit alpha type 1 antibody Proteasome alpha 1 subunit antibody Proteasome component C2 antibody Proteasome nu chain antibody Proteasome subunit alpha type 1 antibody Proteasome subunit alpha type I antibody Proteasome subunit alpha type-1 antibody Proteasome subunit nu antibody Protein P30 33K antibody PSA1_HUMAN antibody PSC 2 antibody PSC2 antibody PSMA 1 antibody psmA1 antibody
Accession No.	Swiss-Prot#:P25786
Uniprot	P25786
GeneID	5682;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	30 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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## Background

Component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome mediates ubiquitin-independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex).

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**Note:** This product is for in vitro research use only