

## ARG63682 anti-PSMD2 / Proteasome 26S S2 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes PSMD2 / Proteasome 26S S2
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog
Tested Application	FACS, ICC/IF, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PSMD2 / Proteasome 26S S2
Species	Human
Immunogen	C-VILRKPNPYDL
Conjugation	Un-conjugated
Alternate Names	RPN1; TRAP2; 26S proteasome subunit p97; S2; Protein 55.11; P97; 26S proteasome non-ATPase regulatory subunit 2; 26S proteasome regulatory subunit S2; 26S proteasome regulatory subunit RPN1; Tumor necrosis factor type 1 receptor-associated protein 2

### Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

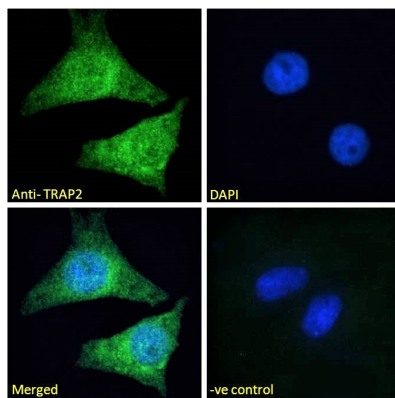
### Background

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, this subunit may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1. [provided by RefSeq, Jul 2008]

Research Area  
Calculated Mw

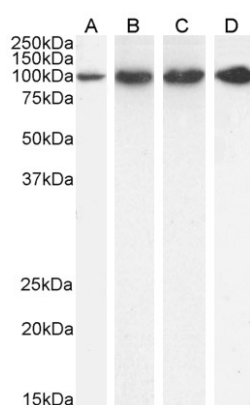
Cell Biology and Cellular Response antibody  
100 kDa

## Images



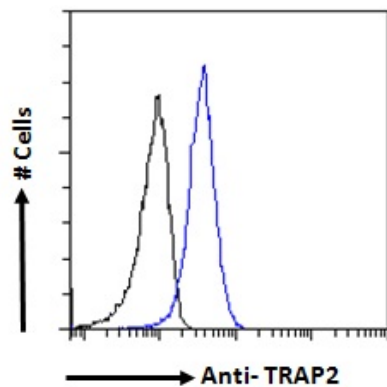
ARG63682 anti-PSMD2 / Proteasome 26S S2 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton. Cells were stained with ARG63682 anti-PSMD2 / Proteasome 26S S2 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG63682 anti-PSMD2 / Proteasome 26S S2 antibody WB image

Western blot: 35 µg of HeLa (A), U251 (B), KNRK (C) and NIH/3T3 (D) cell lysates (in RIPA buffer) stained with ARG63682 anti-PSMD2 / Proteasome 26S S2 antibody at 1 µg/ml (A-C) and 0.3 µg/ml (D) dilutions and incubated at RT for 1 hour.



#### ARG63682 anti-PSMD2 / Proteasome 26S S2 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63682 anti-PSMD2 / Proteasome 26S S2 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).