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Datasheet for ABIN570956  
**anti-PSMG1 antibody (C-Term)**

3 Images

Overview

Quantity:	100 µg
Target:	PSMG1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PSMG1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	DSCR2 / PSMG1
Immunogen:	Peptide with sequence C-KLMTTNEIQSNIYT, from the C Terminus of the protein sequence according to NP_003711.1, NP_982257.1.
Sequence:	KLMTTNEIQS NIYT
Isotype:	IgG
Specificity:	This antibody is expected to recognize all reported isoforms (NP_003711.1, NP_982257.1, NP_001248753.1, NP_001307724.1)
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

## Product Details

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Grade: Verified

## Target Details

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Target: PSMG1

Alternative Name: PSMG1 ([PSMG1 Products](#))

Background: PSMG1, proteasome (prosome, macropain) assembly chaperone 1, C21LRP, DSCR2, LRPC21, PAC1, Down syndrome critical region gene 2, Down syndrome critical region protein 2, chromosome 21 leucine-rich protein, leucine rich protein C21-LRP, proteasome assemblin

Gene ID: 8624, 56088, 288236

NCBI Accession: [NP\\_003711](#), [NP\\_982257](#), [NP\\_001248753](#), [NP\\_001307724](#)

## Application Details

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Application Notes: Peptide ELISA: antibody detection limit dilution 1:64000.

Comment: **Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and Golgi apparatus of A431 and U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of Jurkat cells. Reco

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

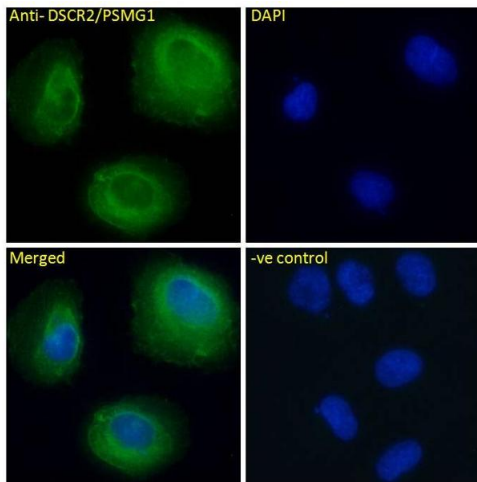
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Minimize freezing and thawing.

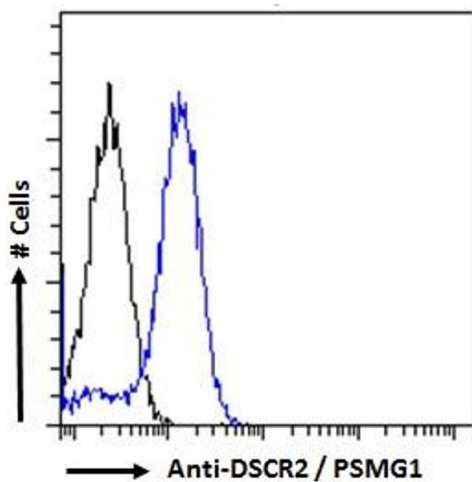
Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



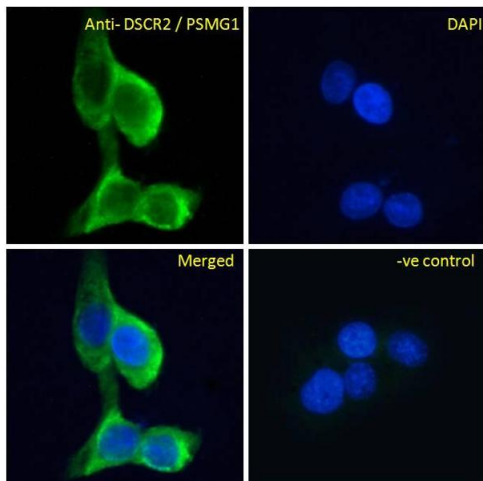
### Immunofluorescence

**Image 1.** ABIN570956 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing Golgi apparatus and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



### Flow Cytometry

**Image 2.** ABIN570956 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) f



### Immunofluorescence

**Image 3.** ABIN570956 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic and Golgi apparatus staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).