

ARG64852 anti-DSCR2 / PSMG1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DSCR2 / PSMG1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	FACS, ICC/IF
Specificity	This antibody is expected to recognize both reported isoforms (NP_003711.1; NP_982257.1.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DSCR2 / PSMG1
Species	Human
Immunogen	C-KLMTTNEIQSNIYT
Conjugation	Un-conjugated
Alternate Names	Chromosome 21 leucine-rich protein; PAC-1; PAC1; Down syndrome critical region protein 2; C21-LRP; DSCR2; LRPC21; C21LRP; Proteasome assembly chaperone 1

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

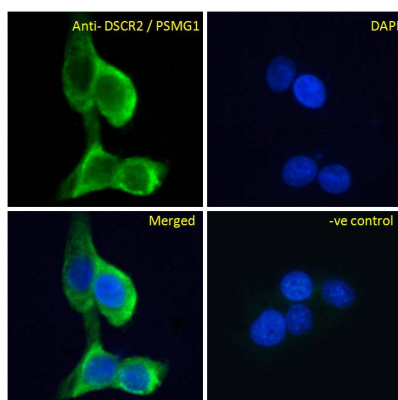
Properties

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.

Bioinformation

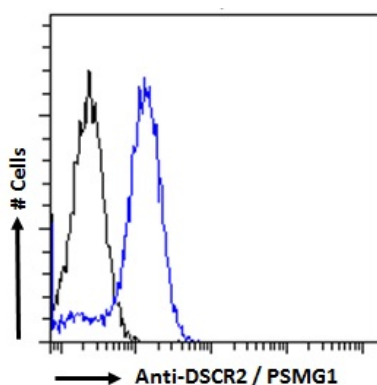
Database links	GeneID: 8624 Human Swiss-port # O95456 Human
Gene Symbol	PSMG1
Gene Full Name	proteasome (prosome, macropain) assembly chaperone 1
Function	Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG2. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	33 kDa
PTM	Degraded by the proteasome upon completion of 20S proteasome maturation.

Images



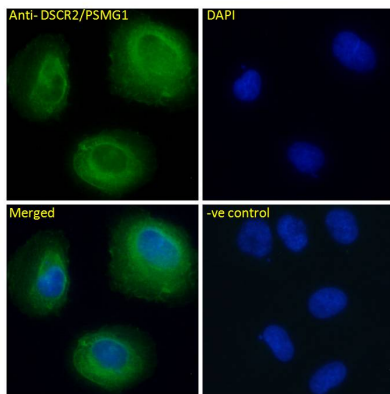
ARG64852 anti-DSCR2 / PSMG1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed A431 cells permeabilized with 0.15% Triton. Cells were stained with ARG64852 anti-DSCR2 / PSMG1 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.



ARG64852 anti-DSCR2 / PSMG1 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed Jurkat cells permeabilized with 0.5% Triton. Cells were stained with ARG64852 anti-DSCR2 / PSMG1 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).



ARG64852 anti-DSCR2 / PSMG1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U2OS cells permeabilized with 0.15% Triton. Cells were stained with ARG64852 anti-DSCR2 / PSMG1 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.