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Research Use Only. Not for diagnostic or therapeutic use.

# EB09150 - Goat Anti-DSCR2 / PSMG1 Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** 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 assembling chaperone 1

Official Symbol: PSMG1

Accession Number(s): NP\_003711.1; NP\_982257.1; NP\_001248753.1;

NP\_001307724.1

Human GeneID(s): 8624

Non-Human GenelD(s): 56088 (mouse), 288236 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms

(NP\_003711.1; NP\_982257.1; NP\_001248753.1; NP\_001307724.1)

### **Immunogen**

Peptide with sequence C-KLMTTNEIQSNIYT, from the C Terminus of the protein sequence according to NP\_003711.1; NP\_982257.1; NP\_001248753.1; NP\_001307724.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:64000.

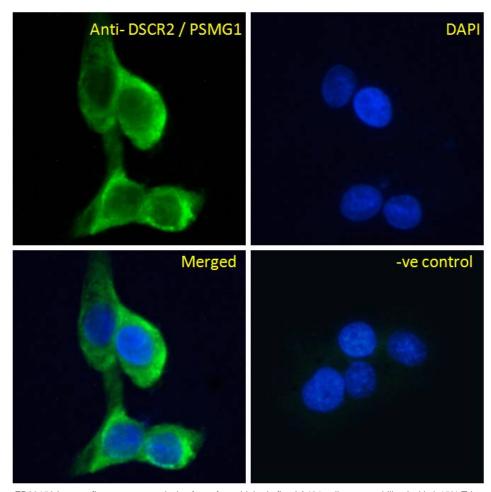
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm and Golgi apparatus of A431 and U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

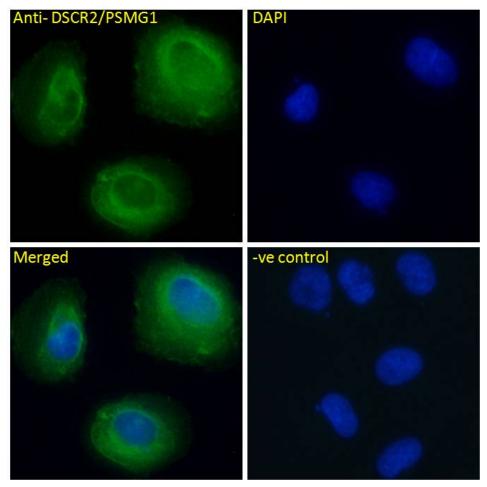
### **Species Reactivity**

Tested: Human

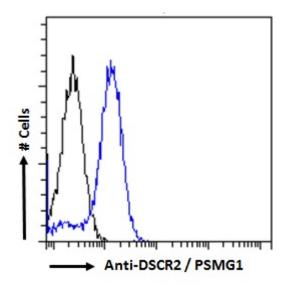
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB09150 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 (4ug/ml).



EB09150 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 (4ug/ml).



EB09150 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) followed by Alexa Fluor 488 secondary antibody.