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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 GeneID(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.

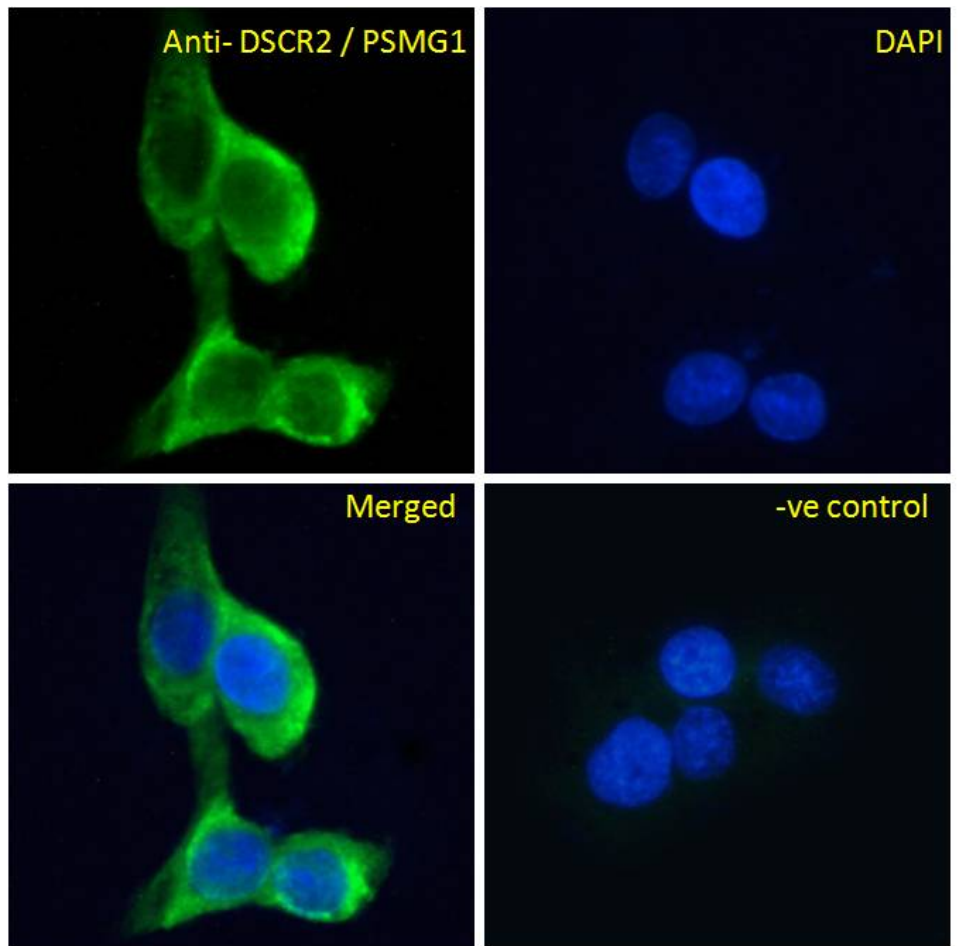
Immunofluorescence: Strong expression of the protein seen in the cytoplasm and Golgi apparatus of A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

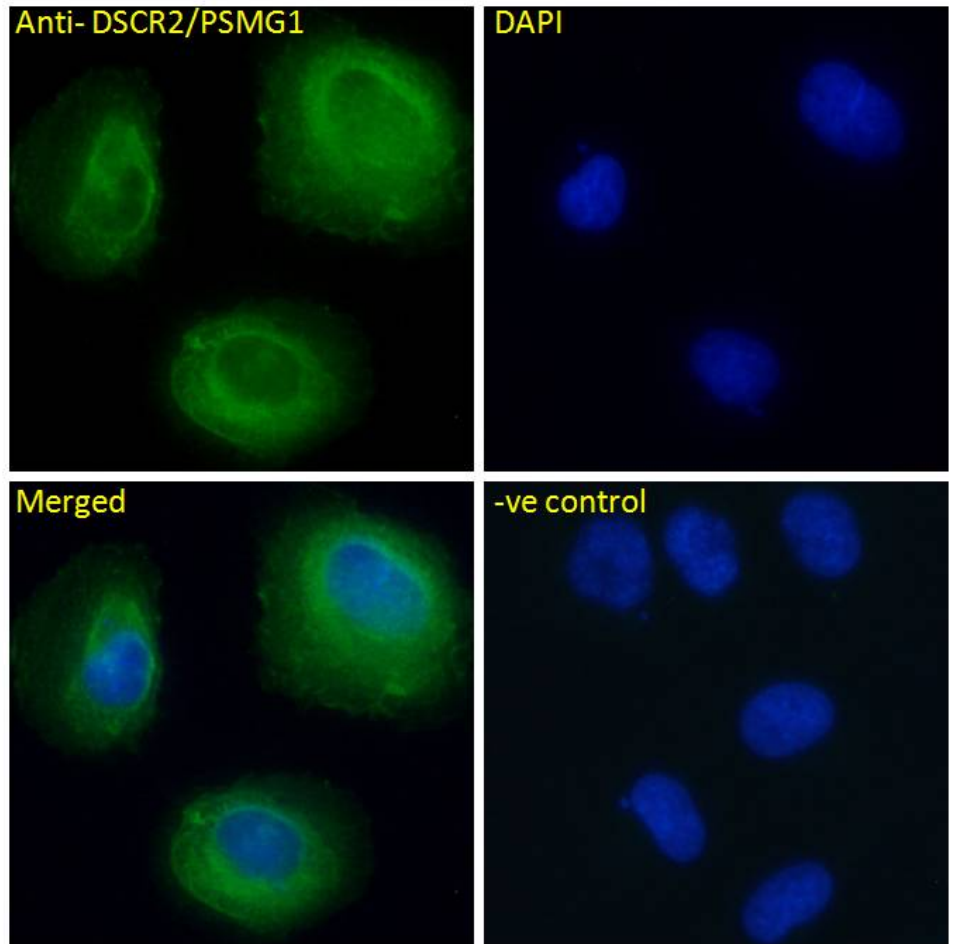
Species Reactivity

Tested: Human

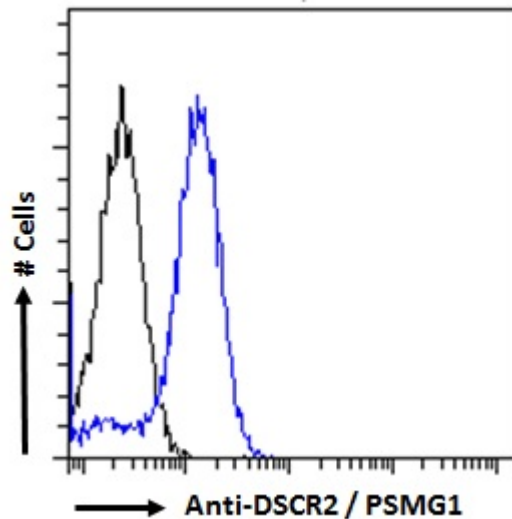
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



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.