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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

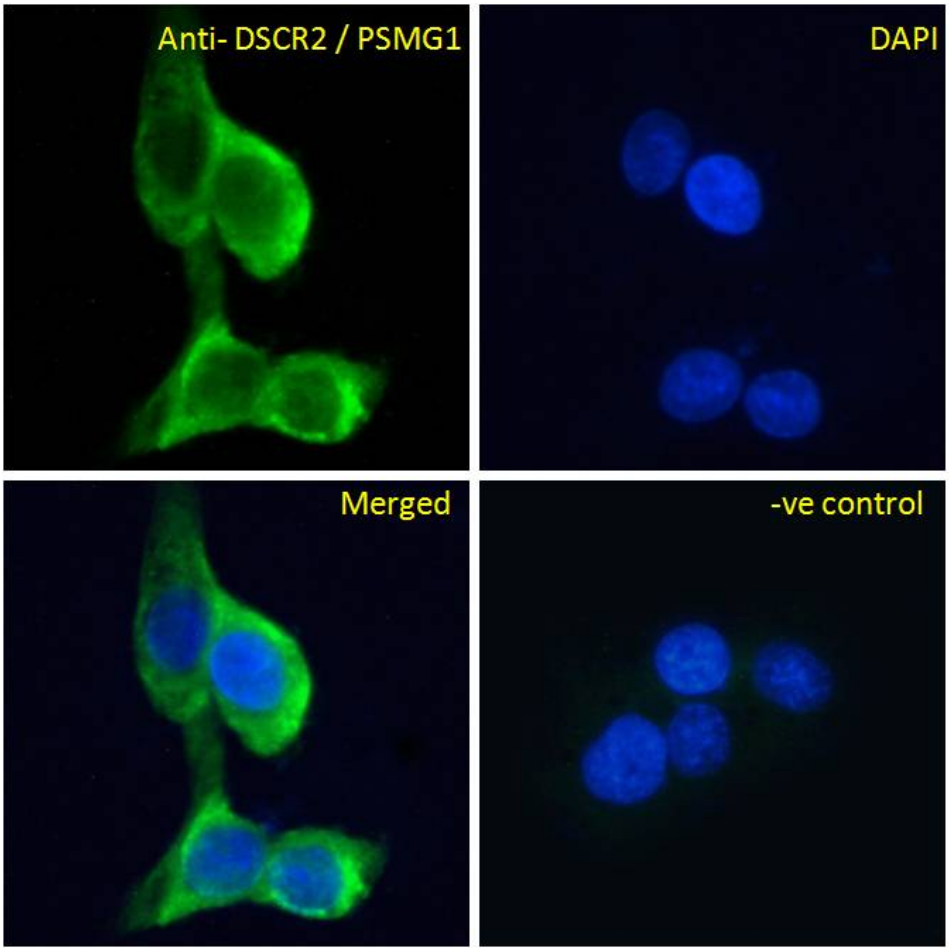
Peptide ELISA: antibody detection limit dilution 1:64000.

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

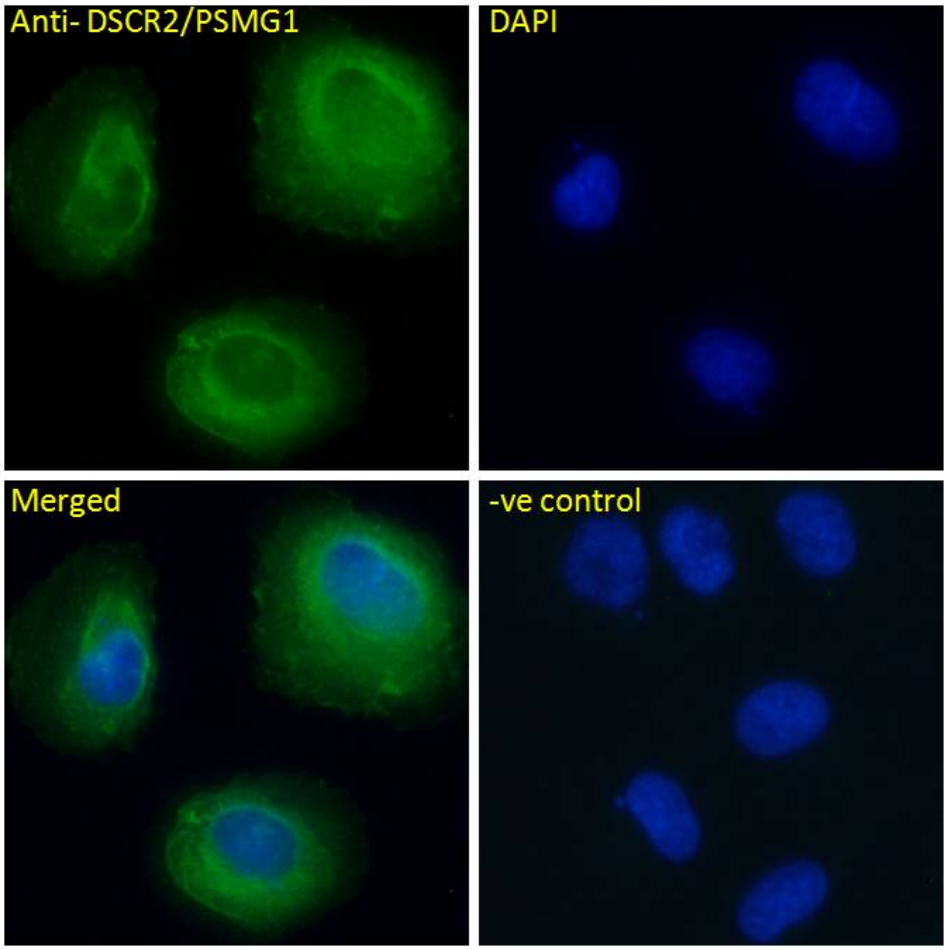
Flow Cytometry: Flow cytometric analysis of Jurkat cells. Recommended concentration: 10ug/ml.

Species Reactivity

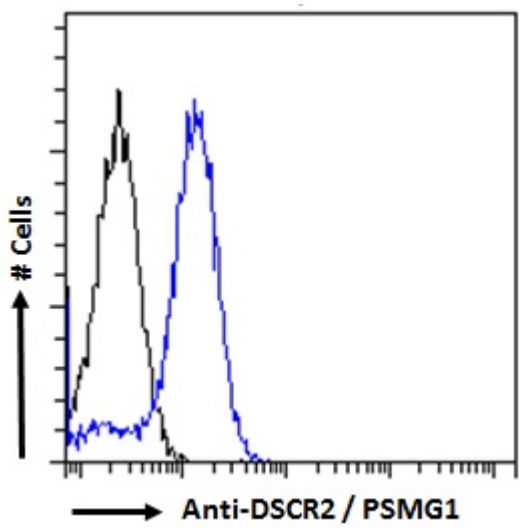
Tested: Human
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



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.