

## UK Office

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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.